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Annual INTEC Groundwater Monitoring Report for Group 5 – Snake River Plain Aquifer (2001)

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**Published February 2002** 

Prepared for the U.S. Department of Energy Idaho Operations Office

#### **ABSTRACT**

This report describes the monitoring activities conducted and presents the results of groundwater sampling and water-level measurements from October 2000 to September 2001. Groundwater samples were initially collected from 41 wells from the Idaho Nuclear Technology and Engineering Center and the Central Facilities Area and analyzed for iodine-129, strontium-90, tritium, gross alpha, gross beta, technetium-99, uranium isotopes, plutonium isotopes, neptunium-237, americium-241, gamma spectrometry, and mercury. Samples from 41 wells were collected in April and May 2001. Additional sampling was conducted in August 2001 and included the two CFA production wells, the CFA point of compliance for the production wells, one well that was previously sampled and five additional monitoring wells.

Iodine-129 and strontium-90 were the only analytes above their respective maximum contaminant levels. Iodine-129 was detected just above its maximum contaminant level of 1 pCi/L at two of the Central Facilities Area landfill wells. Iodine-129 was detected in the CFA production wells at  $0.35\pm0.083$  pCi/L in CFA-1, but was below detectable activity in CFA-2. Strontium-90 was above its maximum contaminant level of 8 pCi/L in several wells near the Idaho Nuclear Technology and Engineering Center but was below its maximum contaminant level in the downgradient wells at the Central Facilities Area landfills. Sr-90 was not detected in the CFA production wells. Gross beta results generally mirrored the results for strontium-90 and technetium-99.

Plutonium isotopes and neptunium-237 were not detected. Uranium-233/234 and uranium-238 isotopes were detected in all samples. Concentrations of background and site wells were similar and are within background limits for total uranium determined by the USGS, suggesting that the concentrations are background. Uranium-235/236 was detected in 11 samples, but all the detected concentrations were similar and near the minimum detectable activity. Americium-241 was detected at three locations near the minimum detectable activity of approximately 0.07 pCi/L. The gamma spectrometry results detected cesium-137 in three samples, potassium-40 at eight locations, and radium-226 at one location. Mercury was below its maximum contaminant level of 2  $\mu$ g/L in all samples. Gamma spectrometry results for the CFA production wells did not detect any analytes.

Water-level measurements were taken from wells in the Idaho Nuclear Technology and Engineering Center, Central Facilities Area, and the area south of Central Facilities Area to evaluate groundwater flow directions. Water-level measurements indicated groundwater flow to the south-southwest from the Idaho Nuclear Technology and Engineering Center.



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## **ACRONYMS**

BC brass cap

BCC below brass cap

CERCLA Comprehensive Environmental Response, Compensation, and Liability Act

CFA Central Facilities Area

DOE Department of Energy

DOE-ID Department of Energy Idaho Operations Office

EPA Environmental Protection Agency

FFA/CO Federal Facility Agreement and Consent Order

FTAMSL feet above mean sea level

FTBMP feet below measuring point

ICPP Idaho Chemical Processing Plant

IDEQ Idaho Department of Environmental Quality

INEEL Idaho National Engineering and Environmental Laboratory

INTEC Idaho Nuclear Technology and Engineering Center

LTMP Long-Term Monitoring Plan

MCL maximum contaminant level

MDA minimum detectable activity

MSIP Monitoring System Installation Plan

NCP National Oil and Hazardous Substances Pollution Contingency Plan

OU operable unit

PBF Power Burst Facility

RI/FS remedial investigation/feasibility study

ROD Record of Decision

RWMC Radioactive Waste Management Complex

SARA Superfund Amendments and Reauthorization Act

SNF spent nuclear fuel

SRPA Snake River Plain Aquifer

STF Security Training Facility

USGS United States Geological Study

WAG waste area group

# Annual INTEC Groundwater Monitoring Report for Group 5 – Snake River Plain Aquifer (2001)

#### 1. INTRODUCTION

The purpose of this document is to report the groundwater sampling results and water-level measurements conducted to support the Waste Area Group (WAG) 3, Operable Unit (OU) 3-13, Group 5 - Snake River Plain Aquifer (SRPA) monitoring at the Idaho Nuclear Technology and Engineering Center (INTEC). The OU 3-13 Record of Decision (ROD) calls for Group 5 groundwater monitoring to monitor contaminant migration in the SRPA associated with the INTEC facility (DOE-ID 1999). The Long-Term Monitoring Plan (LTMP) (DOE-ID 2000a) specified the wells to be sampled and the parameters for analysis based on the data requirements identified in the ROD (DOE-ID 1999). The data quality objectives for the groundwater sampling are described in the Monitoring System Installation Plan (MSIP) (DOE-ID 2000b) and LTMP (DOE-ID 2000a).

## 1.1 Regulatory Background

The Idaho National Engineering and Environmental Laboratory (INEEL) is divided into 10 WAGs to manage environmental operations mandated under the *Federal Facility Agreement and Consent Order* (FFA/CO) (DOE-ID 1991). INTEC, formerly the Idaho Chemical Processing Plant (ICPP), is designated as WAG 3. OU 3-13 encompasses the entire INTEC facility.

In October 1999, the ROD was issued for OU 3-13, which includes the INTEC perched and groundwater systems (DOE-ID 1999). The remedial actions chosen in the ROD are in accordance with the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980 (42 USC §9601) as amended by the Superfund Amendments and Reauthorization Act (SARA) of 1986 (42 USC 9601). In addition, remedies comply with the National Oil and Hazardous Substances Pollution Contingency Plan (NCP) (55 FR 8665) and are intended to satisfy the requirements of the FFA/CO.

The U.S. Department of Energy Idaho Operations Office (DOE-ID) is the lead agency for remedy decisions. The U.S. Environmental Protection Agency (EPA) Region 10 and the Idaho Department of Environmental Quality (IDEQ) approve these decisions.

# 1.2 Site Background

The INEEL is a government-owned facility managed by the United States Department of Energy (DOE). The eastern boundary of the INEEL is located 52 km (32 mi) west of Idaho Falls, Idaho. The INEEL Site occupies approximately 2,305 km² (890 mi²) of the northwestern portion of the Eastern Snake River Plain in southeast Idaho. The INTEC facility covers an area of approximately 0.39 km² (0.15 mi²) and is located approximately 72.5 km (45 mi) from Idaho Falls, in the south-central area of the INEEL as shown in Figure 1.

The INTEC has been in operation since 1952. The plant's original mission was to reprocess uranium from defense-related projects and to research and store spent nuclear fuel (SNF). The DOE phased out the reprocessing operations in 1992 and redirected the plant's mission to (1) receipt and temporary storage of SNF and other radioactive wastes for future disposition, (2) management of current and past wastes, and (3) performance of remedial actions.

The liquid waste generated from the past reprocessing activities is stored in an underground tank farm. Numerous CERCLA sites are located in the area of the tank farm and adjacent to the process equipment waste evaporator. Contaminants found in the interstitial soils of the tank farm are the result of accidental releases and leaks from process piping, valve boxes, and sumps and from cross-contamination from operations and maintenance excavations. No evidence has been found to indicate that the waste tanks themselves have leaked. The contaminated soils at the tank farm comprise about 95% of the known contaminant inventory at INTEC. The comprehensive remedial investigation/feasibility studies (RI/FSs) for OU 3-13 (DOE-ID 1997a, 1997b, 1998) contain a complete discussion of the nature and extent of contamination.

## 1.3 Environmental Setting

The environmental setting is summarized here, and a complete description is given in DOE-ID (1997a), (1997b), and (1998). The SRPA underlies the INTEC and Eastern Snake River Plain and has been designated by the EPA as a sole source aquifer for the region. The aquifer lies at a depth of about 137 m (450 ft) beneath the Site. Groundwater in the SRPA generally occurs under unconfined conditions, but locally may be quasi-artesian or artesian (Nace et al. 1959). Regional groundwater flow is southwest at average estimated velocities of 1.5 m/day (5 ft/day). The average groundwater flow velocity at the INTEC is estimated at 3 m/day (10 ft/day) due to local hydraulic conditions. Hydraulic characteristics of the aquifer differ considerably from place to place depending on the saturated thickness and the characteristics of the basalts and sedimentary interbeds.

Recharge to the aquifer is primarily by valley underflow from the mountains to the north and northeast of the plain and from infiltration of irrigation water. A small amount of recharge occurs directly from precipitation. Recharge to the aquifer within INEEL boundaries is primarily by underflow from the northeastern part of the plain and the Big Lost River (Bennett 1990). Significant amounts of recharge from the Big Lost River have caused water levels in some wells at the INEEL to rise as much as 1.8 m (6 ft) within a few months after high flows in the river (Barraclough, Lewis, and Jensen 1982). Locally, the direction of groundwater flow is temporarily changed by recharge from the Big Lost River (Bennett 1990).

The source of contamination in the SRPA originates primarily from the injection well (CPP-23). However, contaminated soils and perched water are predicted to contribute to future SRPA contamination. The iodine-129 (I-129), strontium-90 (Sr-90), and plutonium isotopes were determined to be the only contaminants that pose an unacceptable risk to a hypothetical future resident beyond the year 2095. The primary I-129 source was the former injection well. The primary Sr-90 source(s) were the former injection well and the tank farm soils. The primary source of plutonium isotopes is the tank farm. The major human health threat posed by contaminated SRPA groundwater is exposure to radionuclides via ingestion by future groundwater users.

#### 2. MONITORING PROGRAM AND RESULTS

The WAG 3, Group 5 monitoring activities consisted of groundwater sampling and taking water-level measurements. Water-level measurements were taken monthly from September 2000 through August 2001. Groundwater was sampled from 41 wells in April and May 2001. Additional groundwater sampling was conducted in August 2001 and included sampling the two Central Facilities Area (CFA) production wells, the point of compliance for the CFA production wells, and six monitoring wells.

## 2.1 Groundwater Sampling Results

The LTMP called for sampling 47 wells near INTEC and to the south of the INTEC. Samples were collected from 41 of the 47 wells from April 23 to May 31, 2001. Wells LF 2-12, LF 3-09, USGS-122, USGS-49, MW-18, and LF 3-11 were not sampled because of problems with sampling pumps. Well LF 3-11 has been rendered unusable due to perforation of the screen and entrance of gravel pack and well seal material into the damaged screen. Well LF 3-11 will be replaced by a new well, USGS-128, when it is completed. USGS-128 and LF 3-11 are approximately 1300 feet east-northeast of USGS-85. The pump in LF 3-09 has been replaced and is functional, as of November 11, 2001. Well LF 2-12 was not sampled, but wells LF 2-09 and LF 2-08 are located close to this well and were sampled. Well maintenance for the USGS wells with pump problems will be done by the USGS. Well maintenance for MW-18 will be handled by the INEEL ER Program.

Groundwater samples were analyzed for tritium, Sr-90, I-129, uranium isotopes, plutonium isotopes, americium-241 (Am-241), mercury, gamma spectrometry, technetium-99 (Tc-99), and gross alpha/beta in accordance with the LTMP. The data analysis will focus on tritium, I-129, Tc-99, Sr-90, and gross beta since these parameters have plumes migrating from INTEC. The results for these five parameters are summarized in Table 1. The results for uranium isotopes, mercury, Am-241, and gamma spectrometry are summarized in Table 2. All results are provided electronically in an attached 3.5-in. floppy disk.

After the results for the initial sampling were reviewed, it was apparent that contaminants from INTEC extended beyond the area sampled. To determine the impact of the INTEC plumes on the CFA production wells and to evaluate the migration of I-129, Sr-90, Tc-99, and tritium in the SRPA, additional sampling was conducted from August 28-30, 2001. Gamma spectrometry analysis was also performed on the CFA production wells. The wells in this sampling event included the two CFA production wells, the CFA point of compliance for the production wells (CFA-1606), CFA-MON-001, CFA-MON-002, and CFA-MON-003, USGS-127, LF 2-08 (resampled), and USGS-83. CFA production well CFA-1 has a screen interval from 444 to 639 feet below ground surface (bgs) and a pump depth of 576.5 feet. CFA production well CFA-2 is screened from 521 to 651 feet bgs and has a pump depth of 575.9 feet. The CFA point of compliance is located in CFA-1606 and is an above-ground sampling point that samples the CFA drinking water system after the water from CFA-1 and CFA-2 are mixed together.

## 2.1.1 lodine-129

The groundwater sampling results indicate that an I-129 plume extends from INTEC into the CFA area. The highest I-129 concentrations were detected in two wells at the CFA landfills (Figure 2). Only two wells, LF 3-8 (in the duplicate sample) and LF 2-8, had I-129 concentrations that exceeded the maximum contaminant level (MCL) of 1 pCi/L. The minimum detectable activity (MDA) for I-129 was approximately 0.1 pCi/L. In contrast, I-129 was over 1 pCi/L in 12 wells in the 1991 groundwater sampling event. The two wells that had the highest I-129 concentrations in 1991, USGS-112 and USGS-113, were below the MDA in the latest round. Iodine-129 was detected at 0.352±0.083 pCi/L in CFA-1 (a CFA production well) but I-129 was not detected in CFA-2, which is the other CFA production well and was near the detection limit (0.098±0.053 pCi/L) at the CFA point of compliance (CFA-1606). Iodine-129 was not detected in the wells sampled south of the CFA.

Trend analysis of the I-129 data indicates that I-129 is decreasing at most locations except at CFA-1 which does not show a distinct trend (Figure 3). Trend analysis for I-129 is hindered by the lack of data from 1990 to 2001. Iodine-129 data were collected in 1995, but this data had a much higher MDA of approximately 0.5 to 1 pCi/L.

#### 2.1.2 Tritium

The tritium results indicated a plume extending from INTEC, past the CFA landfill wells and beyond CFA-MON-A-002 (Figure 4). The extent of the tritium plume is similar to that previously determined using United States Geological Study (USGS) and WAG 4 data and is discussed below. The highest tritium concentration was 14,000±771 pCi/L at USGS-114, and all wells were below the MCL of 20,000 pCi/L. The MDA for tritium was 300 to 400 pCi/L. Overall, the tritium results from this sampling event were considerably lower than the results from the 1995 sampling presented in the RI/FS (DOE-ID 1997a). Tritium was detected at 7,900 and 9,200 pCi/L in the CFA production wells. Tritium was detected at concentrations of less than 1,700 pCi/L in the CFA MON wells, but was not detected in USGS-83 to the south and USGS-127 to the west of the CFA-MON wells.

An anomaly in the recent sampling is that the tritium concentration in USGS-20 was  $6,090\pm359~pCi/L$  whereas tritium was not detected in 1995 and was not detected in USGS sampling in July 2000 (MDA  $\approx 300~to~400~pCi/L$ ). The significance of the tritium occurrence at USGS-20 is uncertain, but other analytes indicative of contamination from INTEC such as I-129, Tc-99, or Sr-90 are not present.

Trend analysis of data since 1985 indicates that tritium is decreasing at all locations (Figure 5). Most of the data shown for select wells within the tritium plume on Figure 5 is from USGS sampling. Except for USGS-47, a consistent downtrend in tritium concentrations is indicated by the negative slope of the correlation lines and correlation coefficients (R<sup>2</sup>) greater than 0.85.

#### 2.1.3 Strontium-90

Sr-90 was detected at 31 well locations with the highest Sr-90 concentration, 45.0±7.57 pCi/L, occurring at USGS-47. The minimum detectable activity for Sr-90 was typically between 0.25 to 0.45 pCi/L for the samples collected in April and May and approximately 0.6 pCi/L for samples collected in August. The MCL for Sr-90 is 8 pCi/L. The distribution of Sr-90 in the SRPA indicated a plume extending south of INTEC to the CFA landfills (Figure 6). Sr-90 was below detection limits of approximately 0.5 pCi/L in the CFA production wells. The area of the SRPA exceeding the 8-pCi/L limit for Sr-90 is similar in size to the area above 8 pCi/L in 1995. An increase in Sr-90 activity did occur at LF 3-08 located at CFA Landfill III. The increase in Sr-90 at LF 3-08 suggests that the Sr-90 plume axis is to the west of the CFA production wells.

Trend analysis of six wells within the Sr-90 plume indicates that Sr-90 is steadily decreasing at most locations, except USGS-47, which does not show a distinct trend (Figure 7). For the wells that show a trend, the slope of the regression lines is negative and the correlation coefficients are greater than 0.66 for all wells. Most of the data shown on Figure 7 is from USGS sampling.

#### 2.1.4 Technetium-99

Tc-99 was detected in 20 of the 41 samples with the highest level, 322±6.6 pCi/L, occurring at USGS-52. The highest Tc-99 concentration occurred at the same location as the highest gross beta concentration. The minimum detectable activity for Tc-99 was typically 5 to 6 pCi/L. All sample results are below the calculated MCL of 900 pCi/L. Tc-99 was detected in the CFA landfill wells at levels ranging from 7.68±1.71 to 15.6±1.92 pCi/L. Tc-99 was detected in CFA-1 at 8.8±4.9 pCi/L and in CFA-MON-002 south of CFA at 5.28±2.8 pCi/L. The distribution of Tc-99 in the SRPA is shown on Figure 8.

#### 2.1.5 Gross Alpha/Gross Beta

Gross alpha was above its MDA (approximately 1.8 to 3 pCi/L) at 14 of 41 well locations with detections ranging from 2.2 to 15 pCi/L. The highest gross alpha level occurred in USGS-52 and it was the only well at the MCL. The MCL for gross alpha is 15 pCi/L.

Gross beta was above its MDA (typically 3 to 4 pCi/L) at 36 of 41 well locations and results varied from 4.25±1.26 to 151±8.42 pCi/L. The highest gross beta level occurred at USGS-52 and it was the only well at the MCL. The MCL for gross beta is 4 mrem/yr. The distribution of gross beta in the SRPA shows an area above 50 pCi/L extending from INTEC south to beyond USGS-112 (Figure 9). The gross beta results generally correlate with the Sr-90 and Tc-99 results (see Table 1).

#### 2.1.6 Uranium Isotopes

Uranium-233/234 (U-233/234) was above the minimum detectable activity (0.02 to 0.1 pCi/L) in all samples. The range of U-233/234 detected was from 0.646±0.118 to 1.67±0.153 pCi/L. The narrow range of detection and the occurrence of 1.57±0.147 pCi/L in the upgradient well, USGS-121, suggests that the occurrence of U-233/234 is natural. Similarly, U-238 was above the MDA (0.05 to 0.1 pCi/L) at all locations with a range from 0.252 to 0.851 pCi/L and the upgradient well, USGS-121, contained 0.619±0.074 pCi/L. The narrow range of detections and a background concentration similar to site and downgradient data suggest that the U-238 occurrences are natural. In addition, the concentrations of U-233/234 and U-238 are consistent with background concentrations for total uranium in groundwater in Idaho of 0 to 9 pCi/L (Orr, Cecil, and Knobel 1991).

U-235/236 was above the MDA at 18 locations and ranged in concentration from 0.0277±0.12 pCi/L to 0.146±0.057 pCi/L. The highest concentration of U-235/236 occurred at location USGS-35. All the detections of U-235/236 were close to the MDA (0.02 to 0.1 pCi/L).

#### 2.1.7 Plutonium Isotopes and Neptunium-237

Plutonium isotopes and neptunium-237 were not detected at any of the sampling locations. The minimum detectable activity for neptunium-237 was from 0.06 to 0.13 pCi/L. The MDAs for plutonium-238, plutonium-239/240 and plutonium-241 were 0.028 to 0.07 pCi/L, 0.02 to 0.08 pCi/L, and 7 to 10 pCi/L, respectively.

#### 2.1.8 Americium-241

Am-241 was detected at LF 2-8 at 0.0742±0.0336J pCi/L and at ICPP-MON-A-021 at 0.0733±0.0331J pCi/L and USGS-20 at 0.0472±0.0191J pCi/L. The J flag associated with these Am-241 occurrences indicates that the values are estimated. The MDA was typically 0.02 to 0.08 pCi/L, but was over 0.15 pCi/L for a few samples. All of the Am-241 detections were close to the MDA.

## 2.1.9 Gamma Spectrometry

The gamma spectrometry analysis for the 41 wells sampled in April-May 2001 detected cesium-137 (Cs-137), potassium-40 (K-40), radium-226 (Ra-226), and zinc-65 (Zn-65) (Table 2). No analytes were detected in the gamma spectrometry analysis of the water from the CFA production wells collected in August 2001.

The list of analytes included in the gamma spectrometry analysis includes antimony-125; cerium-144; Cs-134 and -137; cobalt-58 and -60; europium-152, -154, and -155; manganese-54; niobium-95; potassium-40; radium-226; ruthenium-103 and -106; silver-108 and -110; zinc-65; zirconium-95 and isotopes greater than  $2\sigma$  and greater than the MDA. The minimum detectable activity

for most of the above radionuclides was approximately 3 to 10 pCi/L. The MDA for Cs-137 was approximately 3 to 4 pCi/L, but the MDA for K-40 was 25 to 40 pCi/L and the MDA for Ce-144 was approximately 20 pCi/L. The MDAs for Ra-226 and Zn-65 were typically between 6 and 10 pCi/L.

Cs-137 was detected at USGS-40, USGS-41, and USGS-47 at levels of  $9.25\pm2.52$ ,  $8.41\pm1.97$ , and  $10.6\pm2.51$  pCi/L, respectively. K-40 was detected at nine locations: LF 2-8, LF 3-10, USGS-37 (K-40 was not detected in the duplicate sample from this well.), USGS-40, USGS-67, USGS-46, USGS-51, USGS-57, and USGS-116. The K-40 concentrations ranged from  $34.3\pm10.4$  pCi/L at USGS-51 to  $68.9\pm18.1$  pCi/L at USGS-40. Ra-226 was detected at USGS-85 at  $4.61\pm1.44$  pCi/L. Zn-65 was detected at  $5.25\pm1.16$  pCi/L in the rinsate sample.

## **2.1.10** Mercury

The highest detected mercury concentration was  $0.36~\mu g/L$  at USGS-44. The detection limit for mercury was  $0.1~\mu g/L$ . The MCL for mercury is  $2~\mu g/L$ . Mercury was detected near its detection limit of  $0.1~\mu g/L$  in several of the CFA landfill wells, but mercury was also detected in a rinsate sample at the same concentration in the same analysis batch.

## 2.2 USGS and WAG 4 Tritium and Chloride Data

USGS and WAG 4 data for tritium and chloride were used to evaluate the migration path of the plumes from INTEC because the USGS data and WAG 4 data extend beyond the area covered in the Group 5 groundwater sampling. Data from April to October of 2000 were used to construct plume maps for chloride and tritium (Table 3 and Figures 10 and 11, respectively). The MDA for tritium was approximately 300 to 400 pCi/L. The tritium and chloride maps indicate that CFA-MON-A-002 and CFA-MON-A-003 may have been impacted by contamination migrating from INTEC. The data from these maps were used to select wells CFA-MON-A-001 through CFA-MON-A-003, USGS-127, and USGS-83 to be sampled for I-129, Sr-90, Tc-99, and tritium to track the progress of those plumes. Locations USGS-84 and M12S have tritium concentrations of over 1,000 pCi/L, but the chloride levels in these wells are similar to background, suggesting that the source of tritium in these wells is not the INTEC. Well M12S is the first well downgradient of the CFA landfills to the southwest.

# 2.3 Monthly Water-Level Measurements

Water-level measurements were taken monthly from September 2000 to August 2001 for select wells in the INTEC, CFA, Power Burst Facility (PBF), and Radioactive Waste Management Complex (RWMC) area to determine the direction of groundwater movement. The area encompassed by water-level measurements was expanded from the area covered in the LTMP because of the flat gradient in the vicinity of INTEC and the need to include the area of the INTEC groundwater plumes. Several wells in the vicinity of INTEC that were originally proposed for water-level measurement in the LTMP, including USGS-40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -52, -59, MW-18, ICPP-MON-A-021, and ICPP-MON-A-022, were not used for water-level measurements because these wells were grouped in INTEC and did not provide the spatial coverage needed to determine flow directions from INTEC. The list of wells measured each month sometimes changed because of access problems.

The depth to groundwater was determined using surveyed measuring point elevations and well deviation correction factors. Water-level measurements were adjusted for borehole deviation using USGS correction factors that are based on gyroscopic and/or magnetic deviation surveys. Borehole deviation data, either photogyroscopic, magnetic, or digital gyroscopic, are available for all but five wells used to construct the water-level maps. Borehole deviation data were not available for South-Mon-A-001 through -004 (M11S, M12S, M13S, and M14S) and USGS-107. Water-level measurements taken at wells with

less than 0.3 ft of vertical deviation from the true depth were not adjusted for deviation because deviation measurements have an uncertainty associated with them. For instance, the photogyroscopic surveys can have from 0.11 to 0.42 ft of uncertainty depending on whether the high- or low-angle tool was used. The water-level measurement data and borehole deviation correction values are presented in Appendix A in Tables A-1 to A-12.

Hydrographs for selected wells in INTEC, CFA, RWMC, and the Security Training Facility (STF) show a trend of declining water levels over the 1-year period that water-level measurements were taken (Figure 12). Water-level elevations range from 1,438 m (4,459 ft) above median sea level in the northern part of the INTEC to about 1,428 m (4,428 ft) above median sea level near the RWMC.

Groundwater-level contour maps are plotted quarterly for October 2000, January 2001, April 2001, and July 2001 (Figures 13 through 16). The general direction of groundwater flow from INTEC is south to southwest. At CFA, the flow is southeast to southwest. The hydrographs and water-level contour maps show that water levels declined over the 1-year period, but the direction of groundwater flow remained the same throughout the year (see Figures 13 through 16). The groundwater flow directions indicated by the groundwater contour maps generally agree with the plume geometries for tritium and chloride, and this should be the case because both tritium and chloride act as conservative tracers for the groundwater flow.

The groundwater gradient in the area covered by the water-level measurements varies considerably (see Figures 13 through 16). The gradient is slight over the area between INTEC and CFA landfills (more than a mile) with less than 2 ft of head difference. Steeper gradients are present south of CFA, near the RWMC, and in the vicinity of the PBF. There is approximately 14 ft difference in groundwater elevation from M12S to M13S (~1 mi) near the RWMC and approximately 17.5 ft from PBF-MON-A-001 to PBF-MON-A-004 over a distance of approximately 1 mi at the PBF.

#### 3. **RECOMMENDATIONS**

Well LF 2-08 should replace USGS-112 or USGS-113 in the list of wells for long-term monitoring (DOE-ID 2000a). LF 2-08 is at the MCL for I-129 and is close to the production well CFA-1 and changes in concentration of contaminants of interest, such as I-129, Sr-90, etc., would give an indication of the potential impacts on the CFA production wells.

The Site-Wide Drinking Water Program (SWDWP) has initiated the monitoring of the CFA drinking water system for I-129. This information will be collected quarterly during 2002 by the SWDWP. The information will be included in the annual Group 5 monitoring report and trended.

#### 4. REFERENCES

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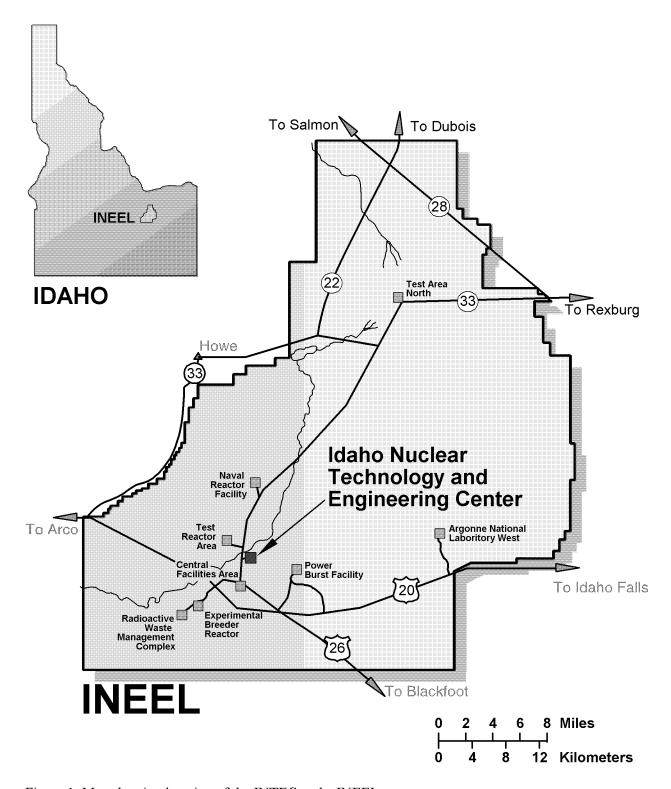


Figure 1. Map showing location of the INTEC at the INEEL.

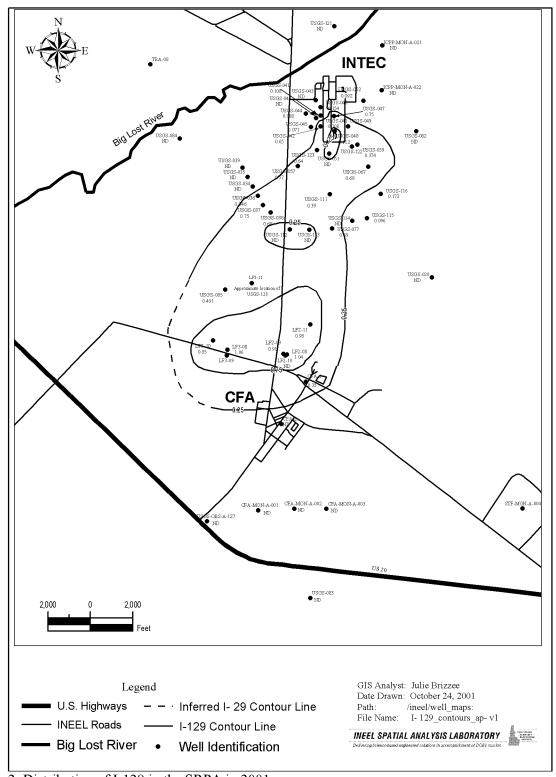
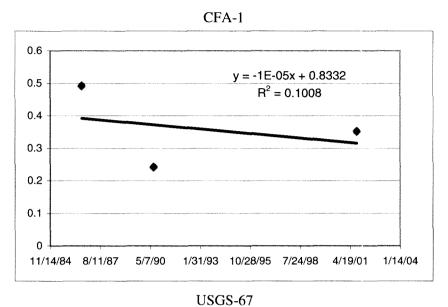
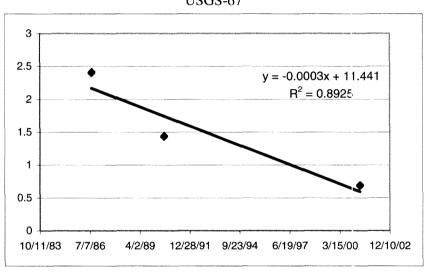


Figure 2. Distribution of I-129 in the SRPA in 2001.





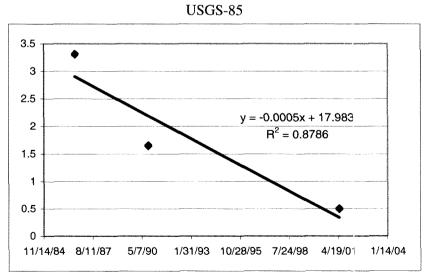
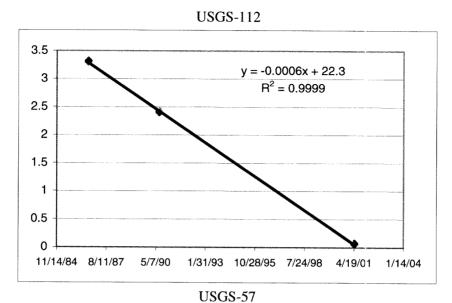
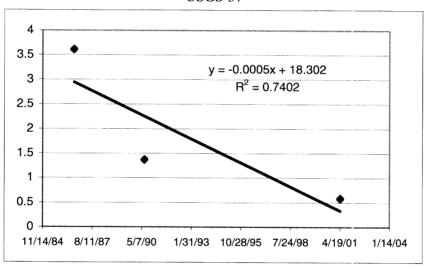


Figure 3. Iodine-129 concentration trends for select wells near INTEC.





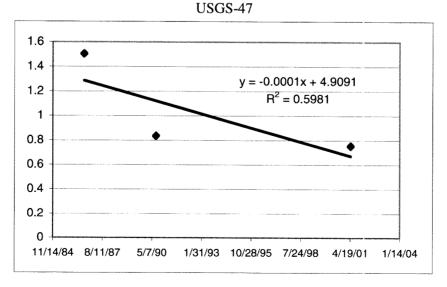


Figure 3. (continued).

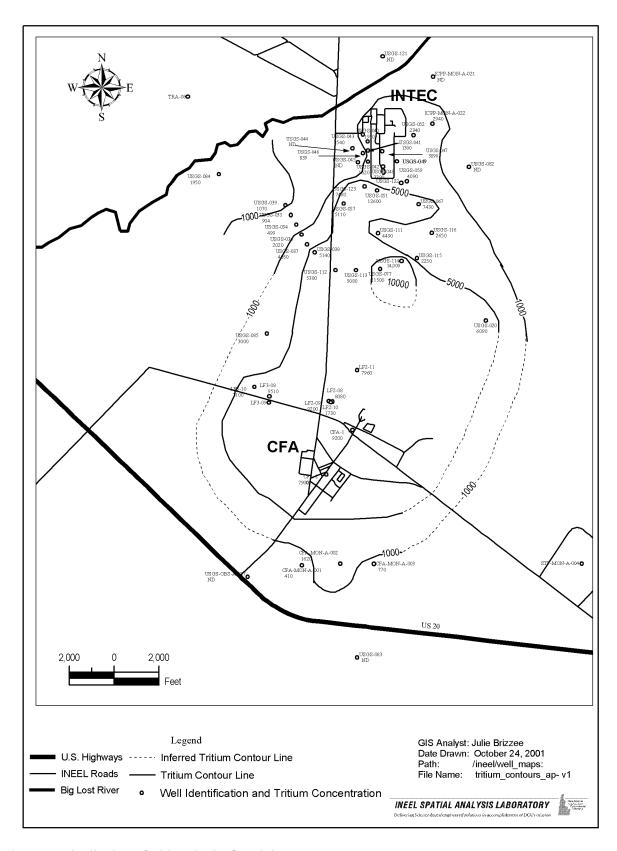
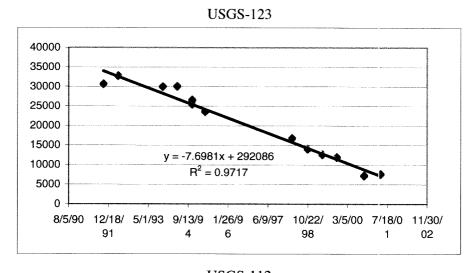
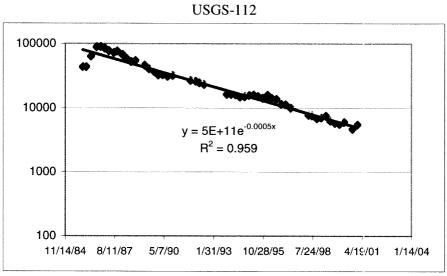


Figure 4. Distribution of tritium in the SRPA in 2001.





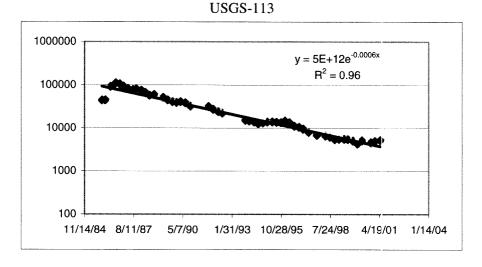
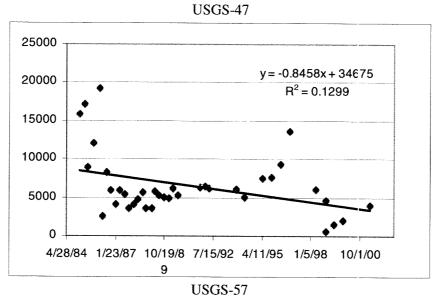
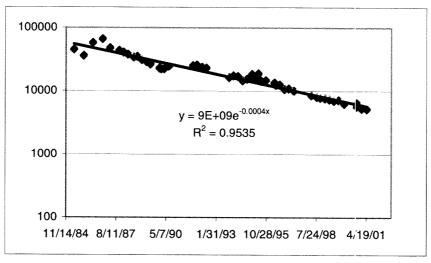


Figure 5. Tritium concentration trends for select wells near INTEC.





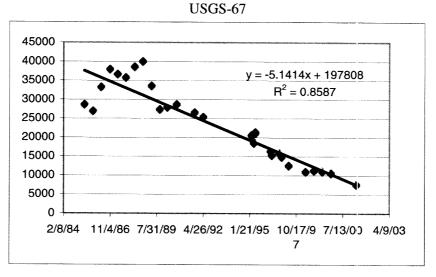


Figure 5. (continued).

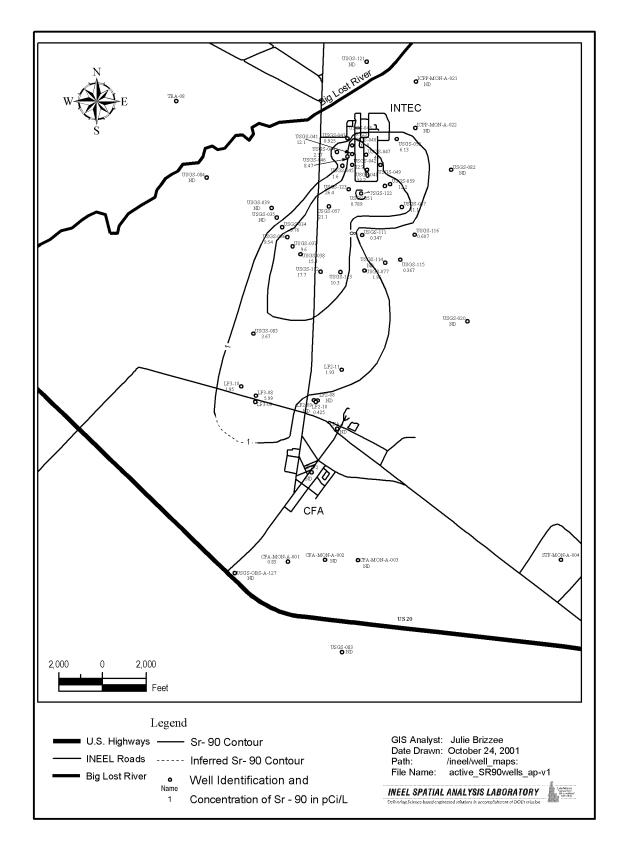
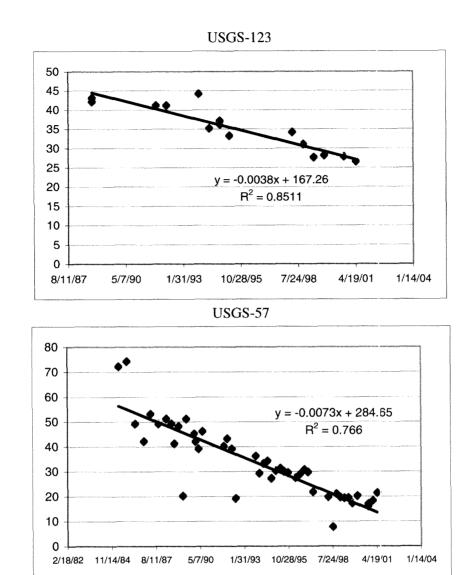


Figure 6. Distribution of Sr-90 in the SRPA in 2001.



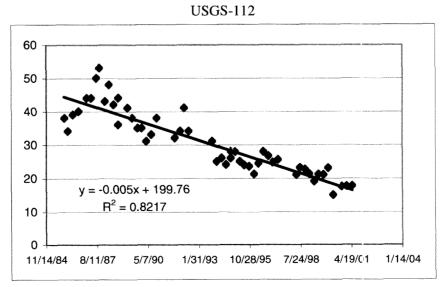
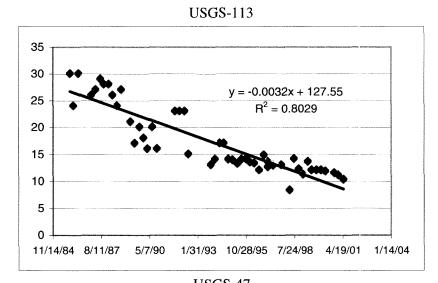
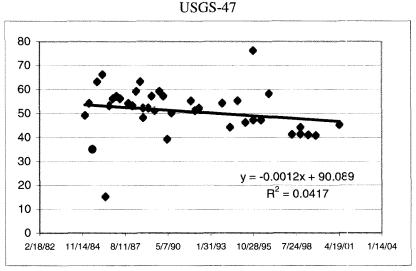


Figure 7. Strontium-90 concentration trends for select wells near INTEC.





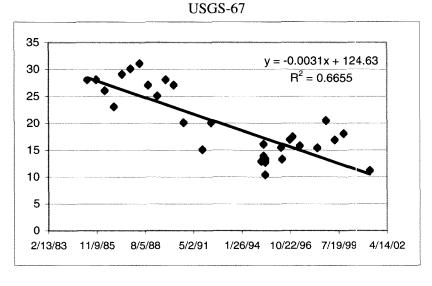


Figure 7. (continued).

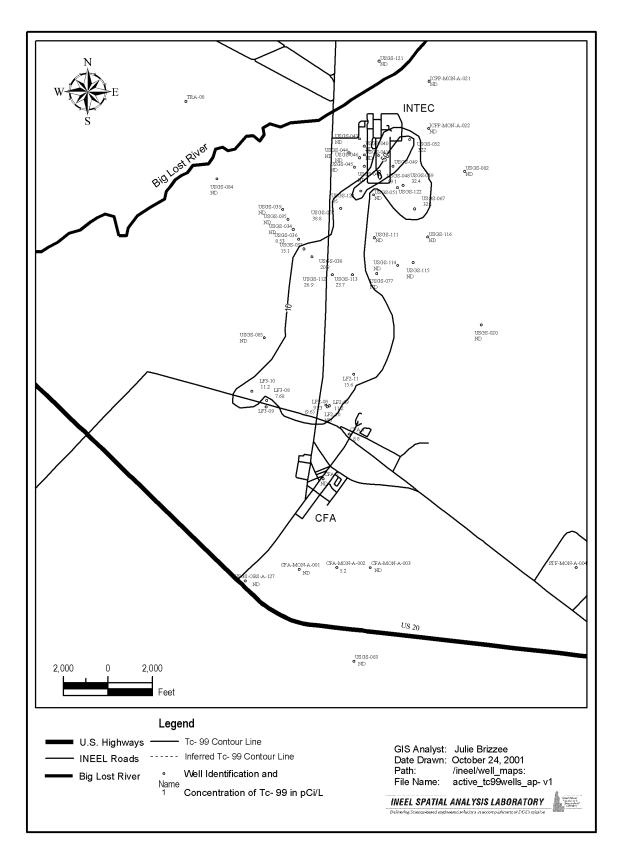


Figure 8. Distribution of Tc-99 in the SRPA in 2001.

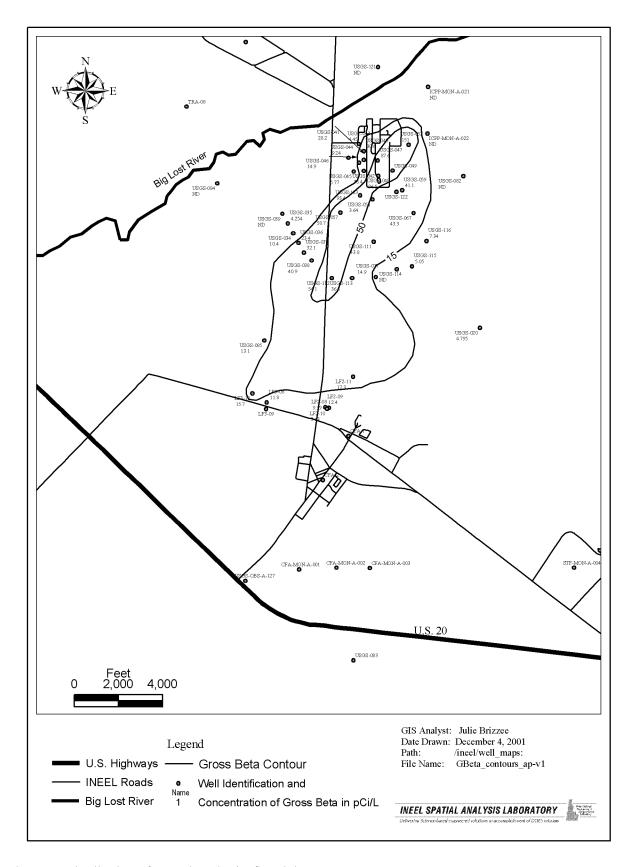


Figure 9. Distribution of gross beta in the SRPA in 2001.

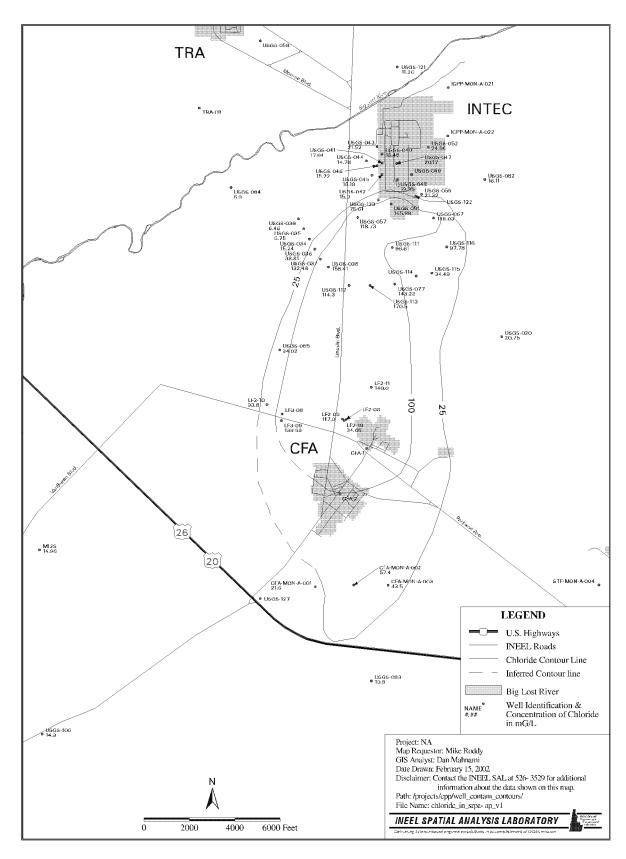


Figure 10. Distribution of chloride in the SRPA (USGS and WAG 4 data).

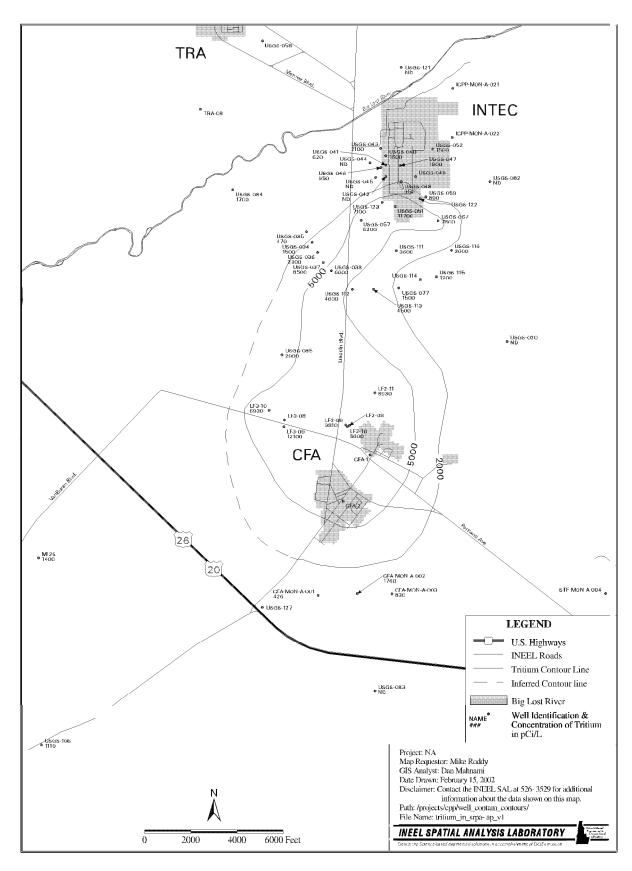
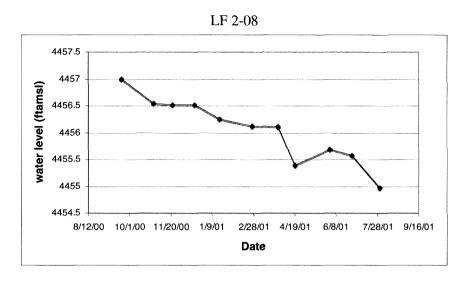
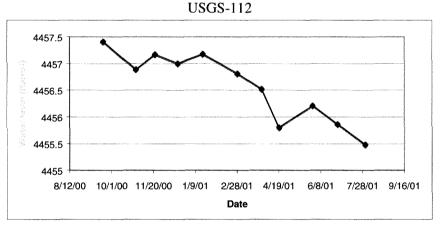


Figure 11. Distribution of tritium in the SRPA (USGS and WAG 4 data).





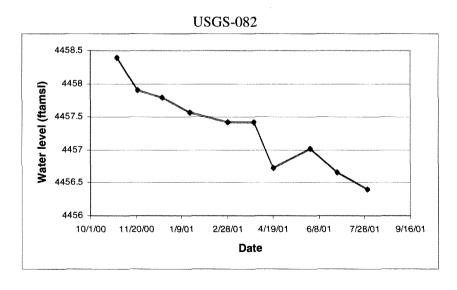
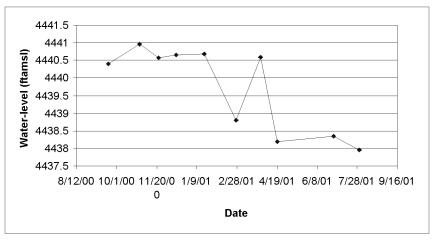
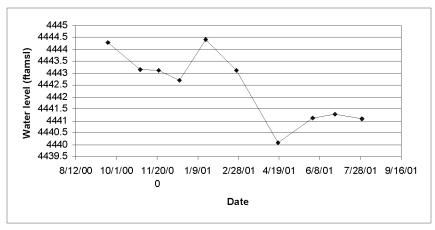


Figure 12. Hydrographs for select wells in the INTEC, CFA, RWMC, and STF areas.

#### STF-MON-A-003



## **SOUTH-MON-A-002 (M12S)**



## CFA-MON-A-001

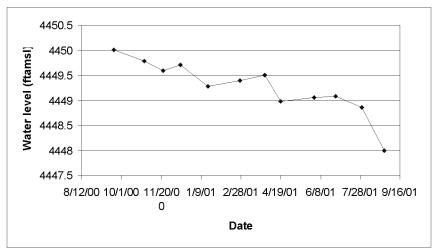


Figure 12. (continued).

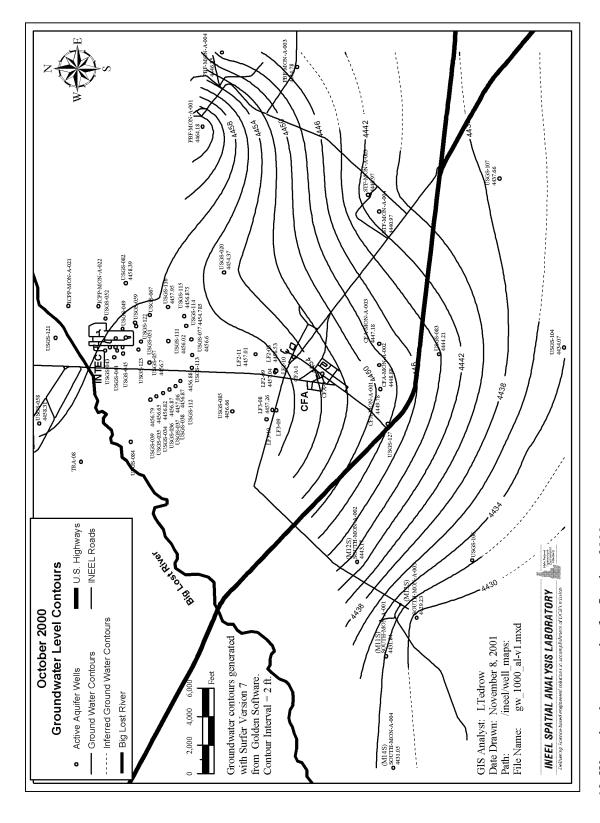


Figure 13. Water-level contour plot for October 2000.

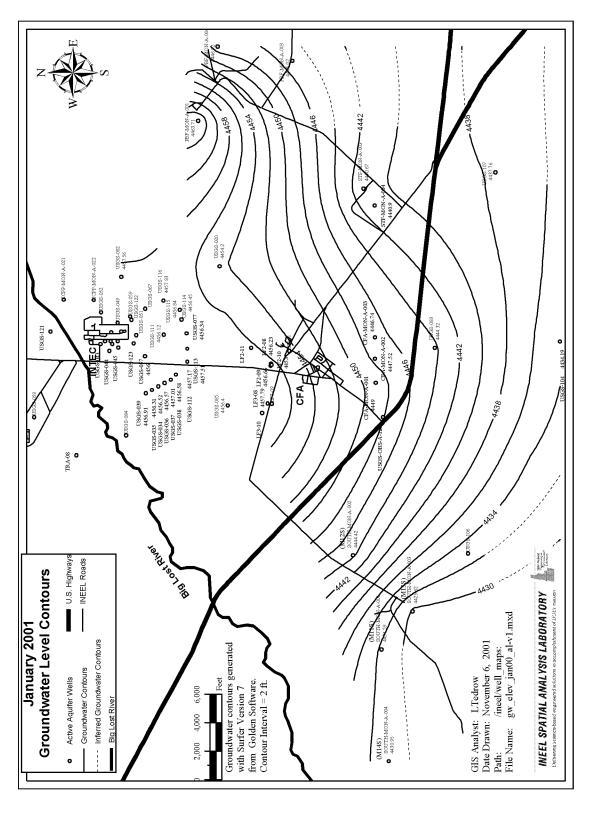


Figure 14. Water-level contour plot for January 2001.

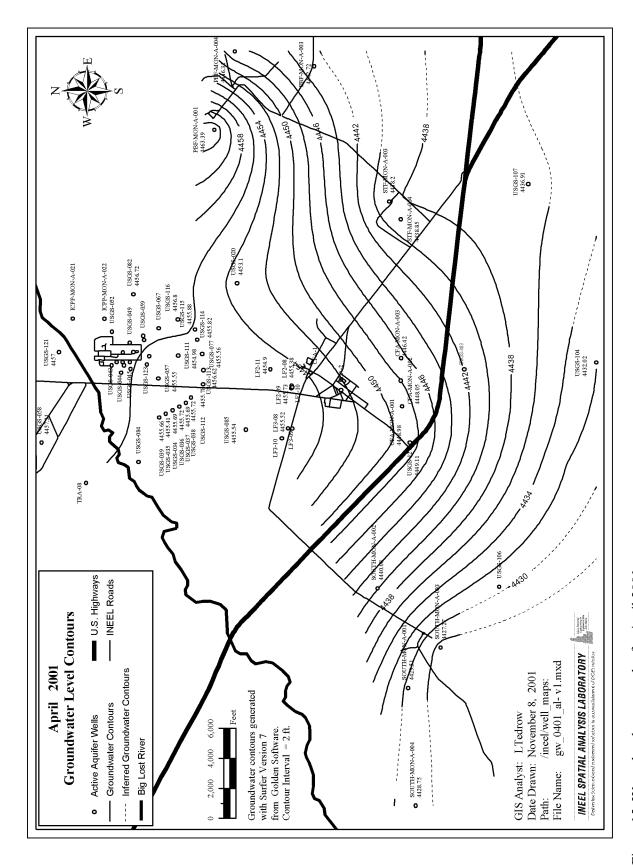


Figure 15. Water-level contour plot for April 2001.

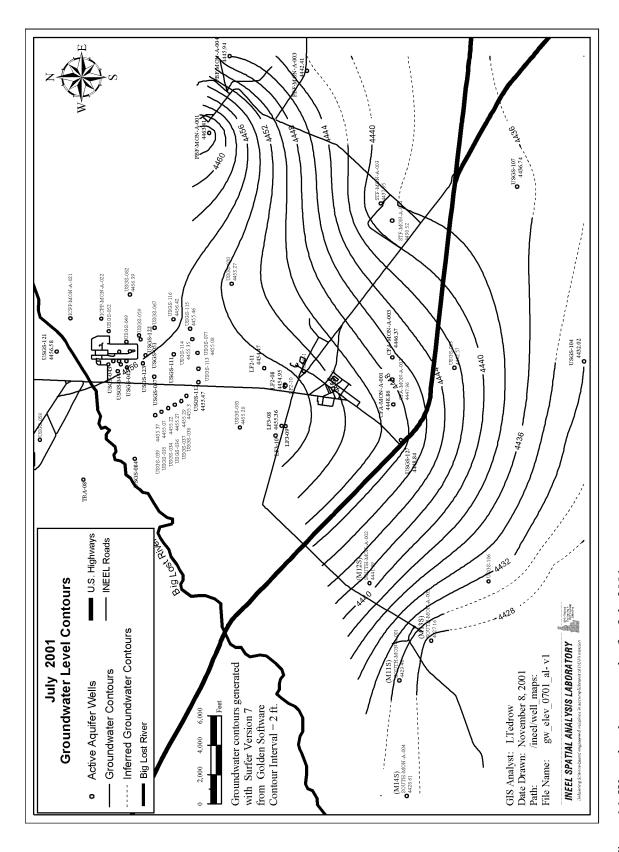


Figure 16. Water-level contour plot for July 2001.

Table 1. Summary of iodine-129, Sr-90, tritium, Tc-99, gross alpha, and gross beta in the SRPA.<sup>a</sup>

		1-129	29		Sr-90	0		Tritium	n	I	Tc-99		Ğ	Gross Alpha	pha	O	Gross Beta	eta
	- 7	MCL = 1 pCi/L	1 pCi/L	Σ	MCL = 8 pCi/L	pCi/L	$\mathbb{Z}$	MCL = 20000 pCi/L	0 pCi/L	MCL = 900 pCi/L	900 p	Ci/L	MCL	MCL = 15 pCi/L	pCi/L	M	MCL = 4 mrem	mrem
Well	QA/QC pCi/L	pCi/L	-/+	-	pCi/L	-/+		pCi/L	-/+	pCi/L		-/+	pCi/L	T	-/+	)d	pCi/L	-/+
ICPP-MON-A021		0.009	0.023 U	$\Omega_{ m p}  0$	0.0417 0.0447		Ω	84	88.5 UJ	1 -2.38	_	.53 U	1.83		1.01	O S	5.4	1.26
ICPP-MON-A022		0.028	0.023	0 D	0.0268 (	0.0437	Ω	2940	193	2.75		2.92 U	0.804	94	1.1	9 N	6.4	1.46
CFA-1		0.352	0.083		0.14	0.26	Ω	9200	1200	8.8		4.9	$NA^{\circ}$	°1		~	NA	
CFA-2		0.072	0.05	D	0.16	0.24	Ω	7900	1100	0.8		4.4 U	I NA	4		~	NA	
CFA-MON-A-001		-0.045	0.044	D	0.83	0.35	Ω	410	140	0.1	4	4.1 U	I NA	4		~	NA	
CFA-MON-A-002		-0.024	0.046	D	0.27	0.25	Ω	1620	280	5.28		2.8	NA	4		_	NA	
CFA-MON-A-003		-0.045	0.044	D	0.21	0.28	Ω	770	180	2.5		3.0 U	I NA	4		~	NA	
CFA-1606		0.098	0.053		0.65	0.32	U	8000	1100	3.9		3.0 U	I NA	<b>∀</b>		~	NA	
CFA-1606	Dup	0.112	0.056		0.14	0.28	Ω	8200	1100	5.6		3.1	NA	4		~	NA	
LF 2-10		0.041	0.047	) N	0.425 (	0.0988		1730	145	0.897		51 U	1.75		0.718	UJ 3.	3.63	1.04
LF 2-11		0.98	0.17		1.93	0.5		0962	446	15.6		1.92	2.75		1.3	UJ I	17.3	1.89
$ m LF~2-8^d$		0.92	0.17		0.58	0.28	UJ	8400	1100	9.6		4.6	NA	<b>∀</b>		~	NA	
LF 2-8		1.04	0.18	_	0.164	0.118	Ω	8080	451	9.23		1.68	1.26		1.06	0 O	9.39	1.52
LF 2-9		0.91	0.16	0	90000.0	0.149	Ω	9200	510	11.2		1.75	0.708		0.894	U 1	12.4	1.79
LF 3-10		0.85	0.15		1.95	0.321		7100	403	11.2		98.1	1.61		0.967	U 1	15.7	1.83
LF 3-8		0.91	0.16		5.42	0.715		9510	524	7.68		1.71	2.19		1.18	U 1	8.11	1.65
LF 3-8	Dup	1.06	0.19		5.99	0.781		9270	512	8:38		1.86	3.51		1.36	J 1	12.7	1.81
USGS-20		990.0	0.023 UJ		-0.0149	0.087	Ω	0609	359	1.14		1.52 U	3.2		1.11	J 4	4.79	1.12
USGS-34		0.055	0.023 UJ		3.76	0.596		499	100	4.89		2.25 UJ	J 0.987		869.0	U 1	10.4	1.5
USGS-35		-0.021	0.048	) D	0.614	0.154		904	114	0.799		2.37 U	1 2.69		1.06	J 4	4.25	1.26
USGS-36		0.346	990.0		9.54	1.34		2020	158	8.53		2.6	3.6		5.69	U 2.	23.4	3.34
USGS-37	Dup	0.61	0.12		10.0	1.59		4850	285	14	1	1.7	1.31		0.816	U 3.	32.1	2.33

Table 1. (continued)

	1	I-129	Sr-90	06:	Tritium	H H		Tc-99		Gross	Gross Alpha	Gro	Gross Beta
	MCL =	MCL = 1 pCi/L	MCL =	MCL = 8 pCi/L	MCL = 20000 pCi/L	00 pCi/L	MCL	MCL = 900 pCi/L	pCi/L	MCL =	MCL = 15 pCi/L	MCL	MCL = 4  mrem
Well	QA/QC pCi/L	-/+	pCi/L	-/+	pCi/L	-/+	pCi/L	i/L	-/+	pCi/L	-/+	pCi/L	-/+
USGS-37	0.75	0.14	9.6	1.31	2960	353	15	15.1	1.72	2.97	1.97	U 26.1	3.77
USGS-38	0.68	0.12	15.3	2.11	5140	299	20	20.9	1.93	2.62	1.16	J 40.9	2.69
USGS-39	-0.011	0.017 U	0.139	0.128 U	1070	122	0.0773		2.51 U	1.49	0.789	U 3.09	1.22
USGS-40	0.154	0.036	12.8	1.75	1910	154	-2.33		1.47 U	2.24	0.984	UJ 30.6	2.51
USGS-41	0.108	0.051 J	12.1	1.45	1300	129	-0.4	-0.419	1.47 U	2.09	1.27	U 28.2	3.93
USGS-42	0.65	0.13	12.9	3.21	1620	136	1.3	1.36	1.53 U	3.44	2.47	U 36.4	4.90
USGS-43	0.065	0.049 U	0.925	0.15	3540	230	-1.77		1.47 U	0.501	0.745	U 4.45	1.19
USGS-44	0.088	0.049 J	2.37	0.296	-169	85.8 U		-2.8	1.45 U	1.11	0.74	U 9.24	1.50
USGS-45	0.071	0.049 U	1.6	0.263	195	90.4 UJ		8.29	2.3	2.71	0.815	5.77	0.999
USGS-46	0.052	0.047 U	8.47	0.466	839	109	æ		2.38 U	2.35	0.928	J 14.9	2.54
USGS-47	0.75	0.13	45	7.57	3890	249	38.3		2.78	2.83	1.03	J 87.6	5.5
USGS-48	0.112	0.053 J	23.7	3.28	3390	224	89.1		2.79	5.35	1.77	96.5	00.9
USGS-51	0.076	0.053 U	0.789	0.151	12600	693	4.28		2.37 U	0.0537	0.527	U 3.64	1.27
USGS-52	0.092	0.052 U	6.13	0.91	2340	173	322	77	9.9	15	3.86	151	8.42
USGS-57	0.57	0.11	21.1	3.43	5110	300	38	38.8	2.03	2.06	1.05	U 58.7	4.50
USGS-59	0.374	0.084	12.2	1.68	4090	253	32	32.4	1.91	1.84	0.814	UJ 41.1	2.65
CS-SDSN	89.0	0.12	11.1	1.47	7430	413	32.1		2.64	2.87	1.15	J 43.3	2.83
USGS-77	0.59	0.11	1.96	0.296	11500	613	5.4	5.48	2.47 UJ	2.2	0.929	J 14.9	1.55
USGS-82	0.059	0.026 U	0.114	0.0551 J	26.3	86.3 U	] -2.3		1.65 U	3.95	1.35	UJ 5.56	1.41
USGS-83	-0.057	0.05 U	0.26	0.24 U	44	95 U	J 3.3	3	2.8 U	NA		NA	
USGS-84	-0.005	0.017 U	-0.0455	0.0887 U	1950	154	φ	-6.7	2.66 U	1.66	0.764	UJ 0.757	1.01
USGS-85	0.491	60.0	3.67	0.509	3000	201	2.3	2.35	2.27 U	1.7	0.965	U 13.1	1.79
USGS-111	0.39	0.088	0.347	0.0999	4490	279	0.833		1.52 U	1.81	0.848	UJ 43.8	1.21

Table 1. (continued)

	I-1	I-129		Sr-	Sr-90	Tritium	um		Tc-99	6		Gross Alpha	Alpha	Gros	Gross Beta
	MCL = 1 pCi/L	1 pCi/L		MCL = 3	MCL = 8 pCi/L	MCL = 20000 pCi/L	00 pCi/L		MCL = 900 pCi/L	pCi/L	, ,	MCL = 15 pCi/L	5 pCi/L	MCL =	MCL = 4  mrem
Well	QA/QC pCi/L +/-	-/+		pCi/L	-/+	pCi/L	-/+		pCi/L	+/+		pCi/L	-/+	pCi/L	-/+
USGS-112	90.0	0.06 0.05	n	17.7	2.3	5380	312		26.9	2.61		6.42	1.97	54.1	3.96
USGS-113	-0.009 0.05	0.05	n	10.3	1.39	5080	297		23.7	1.81		2.89	1.31 J	36.5	2.81
USGS-114	0.163	0.036		0.117	0.0774 U	14000	771		4.46	1.57	m	1.45	0.929 U	6.14	1.18
USGS-115	960.0	0.029		0.367	0.105	2250	171		2.6	2.28	n	1.02	0.488 UJ	5.05	0.816
USGS-116	0.173	0.038		0.607	0.133	2650	188		5.51	2.28	Ω	0.83	0.745 U	7.34	1.32
USGS-121	-0.008	0.045	n	0.249	0.0897 UJ	-167	87.5	Ω	-0.439	1.54	n	1.69	0.757 UJ	3.15	1.10
USGS-123	0.64	0.12		26.4	3.86	7480	415		95	2.83		4.18	1.63 J	93.4	5.6
USGS-127	-0.016	-0.016 0.042	$\Box$	0.38	0.29 U	110	110	Ω	2.2	3.2	Ω	NA		NA	
RINSE	0.003	0.003 0.028	b	U -0.0281	0.0454 U	51	86.9	Ω	-3.94	1.54	n	0.397	0.415 U	0.348	0.936

a. Bold indicates a value equal or greater than the maximum contaminant level (MCL).
b. "U" indicates that an analyte was not detected. "J" indicates an estimated value. "UJ" indicates that the result is not detectable at the reported value but the reported value is only an estimate.
c. "NA" means not analyzed.
d. Resampled in August 2001.

Table 2. Summary of other analytes detected in the SRPA<sup>3</sup>.

.41	-/+	0.0331 J	1		1	$0.0336  \mathrm{J}$					0.0191 J	1				1	1		1					
Am-241	pCi/L	0.0733	I		I	0.0742			1		0.0472		I			I	I						I	
Q.	-/+	I				15.8		11.4			I					11.8	1		18.1					
K-40	pCi/L	1				54.8		36.9								40.5	1		6.89					
37	-/+		1	1	1	1		1	1	1						I	1	1	2.52	1.97	1			
Cs-137	pCi/L		1	I	1	1	I	I	1	ļ					I	I	1	1	9.25	8.41	I			
3/236	-/+	0.025			0.023		0.012	0.021	0.015	0.026	1		0.057				1			$0.018  \mathrm{J}$		0.031	0.0168 J	
U-235/236	pCi/L	0.097	°		0.079		0.028	0.065	0.037	690.0			0.146							0.052		0.110	0.0493	
38	-/+	0.076	0.060	0.081	0.075	0.067	0.069	0.080	0.069	0.078	0.067	0.114	0.120	0.128	0.101	0.072	0.086	0.134	0.085	0.082	0.807	0.059	0.088	
U-238	pCi/L	0.674	0.478	0.692	0.710	0.560	999.0	0.788	0.674	0.728	0.579	0.663	0.600	0.635	0.538	0.572	0.774	0.749	0.731	0.703	0.708	0.394	908.0	
/234	-/+	0.118	0.091	0.139	1.390	0.126	0.1111	0.142	0.116	0.127	0.126	1.830	0.224	0.229	0.172	0.137	0.133	0.213	0.135	0.148	0.138	860.0	0.135	
U-233/234	pCi/L	1.27	0.89	1.47	1.59	1.33	1.23	1.66	1.33	1.39	1.30	1.38	1.60	1.60	1.27	1.39	1.39	1.55	1.37	1.59	1.47	0.887	1.43	
Mercury MCL=2 μg/L	µg/L	$0.1\mathrm{UJ}^\mathrm{b}$	0.1 UJ	0.1 UJ	0.1 UJ	0.13 J	0.11  J	0.12 J	0.1 J	0.12 J	0.1 UJ	$0.1  \mathrm{UJ}$	$0.1  \mathrm{UJ}$	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	$0.1  \mathrm{UJ}$	0.1 UJ	0.1 UJ	0.36 J	
	Well	ICPP-MON-A021	ICPP-MON-A022	LF 2-10	LF 2-11	LF 2-8	LF 2-9	LF 3-10	LF 3-8	LF 3-8 (Dup)	USGS-20	USGS-34	USGS-35	USGS-36	USGS-37 (Dup)	USGS-37	USGS-38	USGS-39	USGS-40	USGS-41	USGS-42	USGS-43	USGS-44	

Table 2. (continued).

Well         µg/L         PC/L         +/-         PC/L         PC/L         +/-         PC/L		Mercury MCL=2 μg/L	U-233/234	3/234	7-n	U-238	U-23	U-235/236	Cs-137	37	K-40	0.	Am-241	141
66         0.1 UJ         1.37         0.178         0.440         0.087         0.085         0.0361          44.8           17         0.1 UJ         1.62         0.137         0.736         0.109         0.0703         0.02921         10.6         2.51            88         0.1 UJ         1.66         0.135         0.691         0.081         0.025                81         0.1 UJ         1.66         0.135         0.068  <	Well	ng/L	pCi/L	-/+	pCi/L	-/+	pCi/L	-/+	pCi/L	-/+	pCi/L	-/+	pCi/L	-/+
H7         0.1 UII         1.62         0.136         0.136         0.136         0.0703         0.0292         1 10.6         2.51         —           18         0.1 UII         1.66         0.155         0.691         0.081         0.092         1 0.6         2.51         —	USGS-46	0.1 UJ	1.37	0.178	0.440	0.087	0.082	0.036 J			8.44	11.5	1	
18         0.1 UJ         1.66         0.155         0.691         0.081         0.0025         —         9.93           39         0.1 UJ         1.13         0.15         0.443         0.043         0.042         0.032         0.045         0.045         0.045         0.045         0.045         0.045         0.045         0.045         0.045         0.045	USGS-47	0.1 UJ	1.62	0.187	0.736	0.109	0.0703	0.0292 J	9.01	2.51	1	1	I	1
0.1 UJ         0.646         0.118         0.252         0.068         —         —         —         34.3           0.1 UJ         1.52         0.202         0.710         0.125         —         9.99           0.1 UJ         1.13         0.165         0.418         0.428         0.036         0.015	USGS-48	0.1 UJ	1.66	0.155	0.691	0.081	0.091	0.025		1		1	1	1
22         0.1 UJ         1.52         0.202         0.710         0.125         —	USGS-51	0.1 UJ	0.646	0.118	0.252	0.068			1		34.3	10.4		
77         0.1 UJ         1.66         0.153         0.770         0.084         —         —         —         59.9           89         0.1 UJ         1.43         0.134         0.613         0.071         —         —         —         59.9           89         0.1 UJ         1.43         0.134         0.613         0.014         —         —         —         —         —         —         —         9.9           77         0.1 UJ         1.19         0.156         0.443         0.084         0.062         0.032         —         —         40.5           72         0.1 UJ         1.21         0.165         0.481         0.948         0.125         0.0461         —         —         —         40.5           84         0.1 UJ         1.61         0.226         0.610         0.122         — <td>USGS-52</td> <td>0.1 UJ</td> <td>1.52</td> <td>0.202</td> <td>0.710</td> <td>0.125</td> <td> </td> <td>1</td> <td> </td> <td></td> <td> </td> <td> </td> <td>I</td> <td>1</td>	USGS-52	0.1 UJ	1.52	0.202	0.710	0.125		1					I	1
99         0.1 UJ         1.43         0.134         0.613         0.071         —	USGS-57	0.1 UJ	1.66	0.153	0.770	0.084	I	1			59.9	19.9	I	1
57         0.1 UJ         1.19         0.156         0.443         0.084         0.062         0.032         —         40.5           77         0.1 UJ         1.21         0.165         0.481         0.948         0.125         0.046 J         —         40.5           82         0.1 UJ         1.21         0.165         0.481         0.948         0.125         —         —         —         —           84         0.1 UJ         1.61         0.226         0.610         0.122         —         —         —         —         —         —           84         0.1 UJ         1.61         0.226         0.610         0.122         —	USGS-59	0.1 UJ	1.43	0.134	0.613	0.071		1		1		1	1	1
77         0.1 UJ         1.21         0.165         0.481         0.948         0.125         0.046 J         —         —           82         0.13 J         1.05         0.103         0.532         0.062         0.038         0.014 J         —         —         —           84         0.1 UJ         1.61         0.226         0.610         0.122         —         —         —         —         —         —           85         0.1 UJ         1.59         0.191         0.851         0.126         —	19-SBSn	0.1 UJ	1.19	0.156	0.443	0.084	0.062	0.032			40.5	11.7 J	1	1
\$2         0.13 J         1.05         0.103         0.532         0.062         0.038         0.014 J         —         <	USGS-77	0.1 UJ	1.21	0.165	0.481	0.948	0.125	0.046 J			1	I	I	1
44       0.1 UJ       1.61       0.226       0.610       0.122       —       —       —       —       —         55       0.1 UJ       1.59       0.191       0.851       0.126       —       —       —       —       —         111       0.1 UJ       1.59       0.191       0.851       0.126       —       —       —       —       —         112       0.1 UJ       1.39       0.185       0.836       0.132       —       —       —       —       —         113       0.1 UJ       1.27       0.124       0.614       0.073       —       —       —       —       —         114       0.1 UJ       1.12       0.108       0.469       0.058       0.059       0.018       —       —       —       —       —         115       0.1 UJ       0.160       0.474       0.093       —	USGS-82	0.13 J	1.05	0.103	0.532	0.062	0.038	0.014 J	1					
55       0.1 UJ       0.648       0.078       0.383       0.056       0.036       0.015 J       —       —       —       —         111       0.1 UJ       0.648       0.078       0.383       0.056       0.036       0.015 J       —       —       —         112       0.1 UJ       1.39       0.185       0.836       0.132       —       —       —       —       —         113       0.1 UJ       1.27       0.124       0.614       0.073       —       —       —       —       —       —         114       0.1 UJ       1.12       0.108       0.469       0.058       0.059       0.018       —       —       —       —       —         115       0.1 UJ       0.109       0.379       0.083       —       —       —       —       —       —       —         116       0.1 UJ       0.160       0.474       0.097       —	USGS-84	0.1 UJ	1.61	0.226	0.610	0.122				1				
111       0.1 UJ       0.648       0.078       0.383       0.056       0.036       0.015 J       —       —       —         112       0.1 UJ       1.39       0.185       0.836       0.132       —       —       —       —       —         113       0.1 UJ       1.27       0.124       0.614       0.073       —       —       —       —       —       —         114       0.1 UJ       1.12       0.108       0.469       0.058       0.059       0.018       —       —       —       —       —         115       0.1 UJ       0.705       0.119       0.379       0.083       —       —       —       —       —       —         116       0.1 UJ       0.160       0.474       0.097       —       —       —       —       —       —       —         121       0.1 UJ       1.57       0.147       0.619       0.074       —	USGS-85	0.1 UJ	1.59	0.191	0.851	0.126		1					1	1
112       0.1 UJ       1.39       0.185       0.836       0.132       — <td>USGS-111</td> <td>0.1 UJ</td> <td>0.648</td> <td>0.078</td> <td>0.383</td> <td>0.056</td> <td>0.036</td> <td>0.015 J</td> <td> </td> <td> </td> <td> </td> <td> </td> <td></td> <td></td>	USGS-111	0.1 UJ	0.648	0.078	0.383	0.056	0.036	0.015 J						
13   0.1 UJ   1.27   0.124   0.614   0.073   — — — — — — — — — — — — — — — — — —	USGS-112	0.1 UJ	1.39	0.185	0.836	0.132			1					
114       0.1 UJ       1.12       0.108       0.469       0.058       0.059       0.018       —	USGS-113	0.1 UJ	1.27	0.124	0.614	0.073			1	1				
115     0.1 UJ     0.705     0.119     0.379     0.083     —     —     —     —       116     0.1 UJ     1.10     0.160     0.474     0.097     —     —     —     34.60       121     0.1 UJ     1.57     0.147     0.619     0.074     —     —     —     —       123     0.1 UJ     1.67     0.153     0.828     0.090     —     —     —     —       0.1 2J     —     —     —     —     —     —     —	USGS-114	0.1 UJ	1.12	0.108	0.469	0.058	0.059	0.018					1	1
116 0.1 UJ 1.10 0.160 0.474 0.097 — — — 34.60 121 0.1 UJ 1.57 0.147 0.619 0.074 — — — — 34.60 123 0.1 UJ 1.67 0.153 0.828 0.090 — — — — — — — — — — — — — — — — — —	USGS-115	0.1 UJ	0.705	0.119	0.379	0.083		1					I	1
(21 0.1 UJ 1.57 0.147 0.619 (23 0.1 UJ 1.67 0.153 0.828 0.12 J	USGS-116	0.1 UJ	1.10	0.160	0.474	0.097		1		1	34.60	8.64	ĺ	
0.1 UJ 1.67 0.153 0.828 0.12 J	USGS-121	0.1 UJ	1.57	0.147	0.619	0.074				1				
	USGS-123	0.1 UJ	1.67	0.153	0.828	0.090								
	RINSE	0.12 J												

a. All samples were analyzed for plutonium-238, plutonium-239/240, plutonium-241, and neptunium-237; but all were nondetect. Nondetect analytes from gamma spectrometry analysis include antimony-125, cerium-144, Cs-134 and -137, cobalt-58 and -60, euorpium-152, -154, and -155, manganese-54, niobium-95, potassium-40, radium-226, ruthenium-103 and -106, silver-108 and -110, zinc-65, and zirconium-95.

b. "U" indicates that an analyte was not detected. "J" indicates an estimated value. "UJ" indicates that the result is nondetectable at the reported value but the reported value is only an estimate.

c. — = not detected.

Table 3. Summary of tritium and chloride data from USGS and WAG 4 sampling in 2000.

Well	Date Sampled	Tritium (pCi/L)	+/- uncertainty	Chloride (mg/L)
CFA-MON-001	Aug-00	426	86.4	21.6
CFA-MON-002	Aug-00	1760	146	57.4
CFA-MON-003	Aug-00	830	101	43.5
LF 2-10	Oct-99	5600	600	34.66
LF 2-11	Aug-00	8930	578	140
LF 2-9	Aug-00	9810	633	117
LF 3-10	Aug-00	6930	454	93.8
LF 3-9	Oct-99	12100	1000	139.69
M11S	Oct-00	-200	220	17.73
M12S	Mar-00	1400	400	14.96
M13S	Oct-00	-280	220	5.6
M14S	Oct-00	1200	400	14.59
USGS-20	Jul-00	-60	220	20.75
USGS-34	Oct-99	1500	400	15.24
USGS-35	Oct-00	470	280	6.75
USGS-36	Oct-00	2300	400	37.81
USGS-37	Oct-99	8500	800	132.48
USGS-38	Oct-99	6600	800	158.41
USGS-39	Oct-00	400	280	6.46
USGS-40	Oct-99	1600	400	16.48
USGS-41	Oct-00	620	300	17.94
USGS-42	Oct-00	180	260	15
USGS-43	Oct-99	2100	400	21.52
USGS-44	Oct-99	30	260	14.78
USGS-45	Oct-00	290	280	16.19
USGS-46	Oct-99	950	340	15.22
USGS-47	Oct-99	1900	400	20.17
USGS-48	Oct-00	950	320	19.35
USGS-51	Oct-00	11700	1000	165.88
USGS-51 (Dup)	Oct-00	14000	1200	147.21
USGS-52	Oct-00	1500	400	24.96

Table 3. (continued).

Well	Date Sampled	Tritium (pCi/L)	+/- uncertainty	Chloride (mg/L)
USGS-57	Jan-00	6200	600	118.73
USGS-59	Oct-00	890	320	21.32
USGS-67	Oct-00	7800	800	148.03
USGS-77	Oct-00	1500	1200	143.23
USGS-82	Sep-00	-210	220	16.11
USGS-83	Aug-00	55.6	78.6	10.8 WAG 4
USGS-83	Apr-00	-110	100	10.13 USGS
USGS-84	Oct-99	1700	400	6.9
USGS-85	Oct-00	2900	400	34.92
USGS-104	Oct-00	1050	340	11.79
USGS-106	Oct-00	1110	180	14.03
USGS-107	Apr-00	-50	100	21.63
USGS-111	Oct-00	3600	600	97.61
USGS-112	Oct-00	4600	600	114.3
USGS-113	Oct-00	4500	600	170.5
USGS-115	Oct-00	1200	400	34.49
USGS-116	Oct-00	2600	400	94.78
USGS-121	Oct-00	-170	220	11.26
USGS-123	Sep-00	7100	800	75.61

## Appendix A

Water-Level Measurement Data and Borehole Deviation Correction Values

2000.
eptember
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for
measurements
Water-level
A-1
<b>Table</b>

Well Name	Well Alias	Area	stickup(ft)	BC Elev	Date	Time with	mp) el	wiftbmp) elevitamsh	Comment	Dev corr	Adi wI
ANL-M11	ANL-MON-A-11	ANL	2.30	5118.69	9/21/00		1			1	
ANL-MON-A-012	ANL-MON-A-12	ANL	1.60	5132.80	9721/00						
ANL-MON-A-013	ANL-MON-AQ-13		3.29	5120.37	9/21/00						
ANL-0BS-A-014	ANL-MON-AQ-14	ANL	1.00	5120.99	9/21/00						
ARA-COR-A-005	ARA-COR-005	ARA	2.24	5046.50	9/21/00	8	597.59	4451.15			
ARA-MON-A-001	ARA-001	ARA	2.71	5034.30	9/21/00	8	589.87	4447.14			
ARA-MON-A-002	ARA-002	ARA	2.46	5037.40	9/21/00	23	592.88	4446.98			
ARA-MON-A-003	ARA-MON-A003A	ARA	2.67	5050.10	9/21/00	8	69.59	4449.18			
ARA-MON-A-004	0	ARA	2.40	5064.60	9/21/00	ω	617.93	4449.07			
SITE-09	0	ARA	1.62	4926.03	9/21/00	47	474.64	4453.01			
CFA-MON-A-001	CFA-MON-001	CFA	2.13	4936.44	9/21/00	48	488.56	4450.01			
CFA-MON-A-002	CFA-MON-002		1.93	4932.24	9/21/00	48	485.66	4448.51			
CFA-MON-A-003	CFA-MON-003	CFA	1.83	4930.31	9721/00	48	484.69	4447.45			
LF2-10	0		1.35	4932.48	9/21/00	48	480.25	4453.58		-0.73	4454.31
LF2-11	0		35.1	4928.36	9/21/00	47	472.86	4456.85			
LF2-08	0		1.42	4931.72	9/21/00	47	479.11	4454.03		-2.95	4456.98
LF2-09	0		1.23	4932.23	9721/00	48	481.89	4451.57		-5.72	4457.29
LF3-10	0		222	4942.62	9/21/00	48	487.78		repaired 1999 needs to be re-surveyed	s to be re-surve	yed
LF3-08			1.60	4940.22	9/21/00	48	489.36	4452.46		-4.77	4457.23
LF3-09	0		1.69	4941.08	9/21/00				under repair		
ICPP-MON-A-021	CPP-MA-21	喦	1.75	4904.36							
ICPP-MON-A-022	CPP-MA-22	CPP	2.50	4907.10	0						
USGS-020	0	ICPP	7.70	4916.36	9/21/00						
USGS-034	0	ICPP	1.07	4929.19	9/21/00	47	473.02	4457.24			
USGS-035	0	ICPP	1.55	4929.64	9/21/00	47	474.03	4457.16			
USGS-036	0	ICPP	1.18	4929.20	9/21/00	47	473.02	4457.36			
USGS-037	0	CPP	1.22	4929.38	9/21/00	47	473.28	4457.32			
USGS-038		ఠ	66.1	4929.63	9/21/00	47	473.62	4457.34			
USGS-039	0	B	1.23	4930.95	9/21/00	47	474.97	4457.21			
USGS-057	0	ఠ	1.92	4922.49	9/21/00	45	467.34	4457.07			
USGS-077	0	1CPP	2.18	4921.79	9/21/00	46	7.01	4456.96			
USGS-082		ICPP	- 58	4906.99	9/21/00						
USGS-085	0	ICPP	2.28	4939.26	9/21/00	48	484.41	4457.13			
USGS-111	0	IOPP	2.27	4920.50	9/21/00	47	471.31	4451.46		-5.24	4456.70
USGS-112		ICPP	2.29	4927.84	9/21/00	47	475.34	4454.79		-2.61	4457.40
USGS-113	0	ICPP	2.34	4925.28	9/21/00	47	475.98	4451.64		-6.46	4458.10
USGS-114	0	ICPP	2.28	4920.09	9/21/00	46	469.73	4452.64		7.4-	4457.34
USGS-115	0	CPP	2.30	4918.84	9/21/00	46	466.06	4455.08		-2.23	4457.31
USGS-116	0	ICPP	2.53	4916.03	9/21/00	46	460.26	4458.30			
RWMC-PRO-A-064	LSIT TEST WELL	LSI	1.92	5042.10	9/21/00	9	2.59	4431.43			
RWMC-MON-A-013	A11A31	LSIT	3.10	5068.80	9/21/00	64	641.35	4430.55			
RWMC-MON-A-065	RWMC-MA-65		0.89	5041.60							
RWMC-MON-A-066	RWMC-MA-66		1.51	5043.70							
NRF-MON-A-008	NRF-MA-08		3.04	4852.33							
NRF-MON-A-009	NRF-MA-09		2.86	4853.47							
NRF-MON-A-010	NRF-MA-10	烙	3.27	4853.10							

Well Name	Well Alias	Area	stickup(ft)	BC Elev	Date	Time	wl(ftbmp)	wl(fibmp) elev(flamsl)	Comment	Dev corr	Adj wl
NRF-MON-A-011	NRF-MA-11	NRF	2.96	4850.73				************			
NRF-MON-A-012	NRF-MA-12	胀	8 6	4850.83							
NRF-MON-A-013	NRF-MA-13	NAF	3.2	4843.59							0
SITE 01 WATER TABLE	SITE-01A	OFF-BLR	2.11	5361.81							
PBF-MON-A-001	0	먪	1.92	4906.15	9/21/00		443.54	4464.53			
PBF-MON-A-003	0	PBF	1.85	4959.29	9/21/00		516.43	4444.71			
PBF-MON-A-004	0	ᇤ	2.72	4939.66	9/21/00		495.32	4447.06			
PBF-MON-A-005	0	超	1.79	4976.13	9/21/00		508.19	4469.73			ļ
M10S	M10S	RWMC	1.46	5021.62	921/00		593.86	4429.22			ļ
M1SA	M01S	RWMC	3.13	5011.09	9/21/00		584.75	***************************************			
Mass	M03SA	RWMC	1.59	5016.16	9/21/00		588.04	0000000000			
M4D	M04D	RWMC	1.93	5022.53	9/21/00		594.26				
ZES	MORS	PWMC	£	5065 76	971/00						ļ
M7S	MOZS	BWMC	2.76	5004 85	971/00		57.7 25	4430.36			
SOUTH-MON-A-001	)   \( \sum_{\text{\ti}\}\\ \text{\te}\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\te}\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\te}\text{\ti}\text{\text{\text{\text{\texi}\text{\text{\text{\text{\texi}\text{\text{\texi}\text{\text{\texi}\text{\texi}\text{\texi}\text{\texi}\text{\texi}\text{\texi}\text{\texi}\text{\texi}\text{\texi}\tex	BWMC	i -	4994 19	971/110		563.66	4432.01			
SOUTH-MON-A-002	M12	BWMC	1.75	4975 28	9/71/00		532.75				
SOUTH-MON-A-003	M13	BWMC	1 79	50.26.85	971/00		F99 IN				
SOUTH-MON-A-004	M14	RWMC	2.78	5032.46	9/21/00		604.08	4431.16			
USGS-001	0	SOUTH	1.42	5022.71	9/21/00						
USGS-083	0	SOUTH	2.15	4941.59	9/21/00						
USGS-104	0	SOUTH	2.98	4988.65	9/21/00						
USGS-107	0	SOUTH	1.95	4917.50	9/21/00						
USGS-110	USGS-110A	SOUTH	2.53	4999.97	9/21/00						
STF-MON-A-01A	STF-MON-01A	STF	1.82	4941.40	9/21/00		501.01				
STF-MON-A-02A	STF-MON-02A	STF	2.35	4937.30	9/21/00		497.02	4442.63			
STF-MON-A-003	0	ST	2.05	4937.01	9/21/00		498.66	4440.40			
STF-MON-A-004	0	E S	2.16	4945.37	9/21/00		906.38	4441.15			
TAN-08	0	Ā	1.25	4790.37							
FAN-13A	0	TAN	1.79	4780.57							
TANT-MON-A-004	TAN-MON-A-001	TANT	2.83	4782.11							
TANT-MON-A-005	TAN-MON-A-002	TANT	2.70	4784.10							
PW411	0	TRA	- 155.	4916.49	9/21/00				n/a		
PW-12	0	TRA	1.24	4923.71	9/21/00						
PW-13		TRA	1.79	4923.82	9/21/00						
TRA-06	0	TRA	96:0	4920.14	9/21/00						
TRA-07	0	TRA	2.53	4931.56	9/21/00						
TRA-08	0	TRA	1.47	4934.93	9/21/00						
USGS-053		TRA	1.10	4922.14	9/21/00				DRY HOLE		
USGS-054		TRA	87.	4920.94	9/21/00						
USGS-055	0	TRA	1.58	4919.15	9/21/00				n/a		
USGS-058	0	TRA	1.82	4918.37	9/21/00						
					(						

October 2000.
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Water-level
Table A-2.

Well Name	Well Alias	Area	etinkiin(#)	BC Flex	Date Time		hmn) a	withhmn) blovthamel)	Comment	Dev corr	Adim/
ANI -M11	ANI -MON-A-11	ANI	00 C	5118 69	000		636.43	4484 55			
ANL-MON-A-012	ANL-MON-A-12	4	9-1-	5132,80	10/30/00	, 6	649.34	4485.06			
ANL-MON-A-013	ANL-MON-AQ-13	Į.	3.29	5120.37	10/30/00		640.56	4483.10			
ANL-OBS-A-014	ANL-MON-AQ-14	ANL	1.00	5120.99	10/30/00	W	637.63	4484.35			
ARA-COR-A-005	ARA-COR-005	ARA	2.24	5046.50	10/30/00	4)	597.52	4451.22			
ARA-MON-A-001	ARA-001	ARA	2.71	5034.30	10/30/00		589.9	4447.11			
ARA-MON-A-002	ARA-002	ARA	2.46	5037.40	10/30/00	41)	592.87	4446.99			
ARA-MON-A-003	ARA-MON-AD03A	ARA	2.67	5050.10	10/30/00	w	603.44	4449.33			
ARA-MON-A-004		ARA	2.40	5064.60	10/30/00	w	618.04	4448.96			
SITE-09	0	ARA	1.62	4926.03	10/30/00	7	474.64	4453.01			
CFA-MON-A-001	CFA-MON-001	CFA	2.13	4936.44	10/30/00	٦	488.79	4449.78			
CFA-MON-A-002	CFA-MON-002	CFA	1.93	4932.24	10/30/00		485.29	4448.88			
CFA-MON-A-003	CFA-MON-003	CFA	89.	4930.31	10/30/00	7	484.96	4447.18			
LF2-10		CFA	8.	4932.48	10/30/00	٦	480.83	4453.00		-0.73	4453.73
LF2-11		CFA	1.35	4928.36	10/30/00		472.7	4457.01			
LF2-08	0	CFA	1.42	4931.72	10/30/00	7	479.56	4453.58		-2.95	4456.53
LF2-09		CFA	1.23	4932.23	10/30/00	٦	482.14	4451.32		-5.72	
LF3-10	0	CFA	222	4942.62	10/30/00	7	487.96		repaired 1999	1999 needs to be re-surveyed	e-surveyed
LF3-08	0	CFA	1.60	4940.22	10/30/00	7	489.33	4452.49		-4.77	4457.26
LF3-09	0	CFA	1.69	4941.08	10/30/00						
ICPP-MON-A-021	CPP-MA-21	占	1.75	4904.36							
ICPP-MON-A-022	CPP-MA-22	占	2.50	4907.10							
USGS-020	0	B	77.0	4916.36	10/30/00	74	462.76	4454.37			
USGS-034	0	ЮРР	1.07	4929.19	10/30/00	٦	473.44	4456.82			
USGS-035	0	밆	- 1.55 - 1.55	4929.64	10/30/00	7	474.54	4456.65			
USGS-036	0	СP	1.18	4929.20	10/30/00	74	473.51	4456.87			
USGS-037	0	GPP	1.22	4929.38	10/30/00	4	473.54	4457.06			
USGS-038	0	GPP	1.33	4929.63	10/30/00	4	474.09	4456.87			
USGS-039	0	B	1.23	4930.95	10/30/00	4	475.39	4456.79			
USGS-057	0	CPP	1.92	4922.49	10/30/00	4	467.71	4456.70			
USGS-077	0	ICPP	2.18	4921.79	10/30/00	7	467.37	4456.60			
USGS-082	0	B	- 1.58 - 1.58	4906.99	10/30/00	7	450.18	4458.39			
USGS-085		ᇟ	2.28	4939.26	10/30/00	4	484.88	4456.66			
USGS-111	0	GPP	2.27	4920.50	10/30/00	74	171.99	4450.78		-5.24	
USGS-112	0	GPP	2.29	4927.84	10/30/00	7	475.86	4454.27		-2.61	
USGS-113	0	GPP	2.34	4925.28	10/30/00	স	476.35	4451.27		-6.46	4457.73
USGS-114	0	СРР	2.28	4920.09	10/30/00	٦	472.28	4450.09		7.4-	4454.79
USGS-115	0	CPP	2.30	4918.84	10/30/00	٦	466.49	4454.65		-2.23	4456.88
USGS-116	0	GPP	2.53	4916.03	10/30/00	٦	460.61	4457.95			
RWMC-PRO-A-064	LSIT TEST WELL	LSI	1.92	5042.10	10/30/00		612.42	4431.60			
RWMC-MON-A-013	A11A31	LSIT	3.10	5068.80	10/30/00				n/a		
RWMC-MON-A-065	RWMC-MA-65	LSIT	0.89	5041.60	10/30/00	Ψ.	610.54	4431.95			
RWMC-MON-A-066	RWMC-MA-66	LSIT	15.1	5043.70					Z/A		
NRF-MON-A-008	NRF-MA-08	뿔	3.04	4852.33							
NRF-MON-A-009	NRF-MA-09	불	2.88	4853.47							
NRF-MON-A-010	NRF-MA-10	NR.	3.27	4853.10							

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Woll Mamo	Well Aliae	0044	CHUNCHIO	ž Ž	0	2				200
T MACM 10 044	#### (Allab	ב ב ב ב	SIICRUP(II)	100 CIEW	רמות	<u>n</u>	with the second	elev(II.all.)		 i ()
		보고	8.5	4850.73						
NRF-MON-A-012	NRF-MA-12	72Z	8 6	4850.83						
NRF-MON-A-013	NRF-MA-13	NRF	3.2	4843.59						
SITE 01 WATER TABLE	SITE-01A	OFF-BLR	2.11	5361.81						
PBF-MON-A-001		PBF	1.92	4906.15	10/30/00		443.89	4464.18		
PBF-MON-A-003	0	PBF	8	4959.29	10/30/00		516.36			
PBF-MON-A-004	0	PBF	2.72	4939.66	10/30/00		495.53	4446.85		
PBF-MON-A-005	0	PBF	1.79	4976.13	10/30/00		508.69	4469.23		
M10S	M10S	RWMC	1.46	5021.62	10/30/00		593.91			
M1SA	M01S	RWMC	3.13	5011.09	10/30/00		584.87	4429.35		
Mass	MOSSA	RWMC	65.1	5016.16	10/30/00		587.97			
M4D	M04D	RWMC	1.93	5022.53	10/30/00		594.5			
M6S	MO6S	RWMC	8.	5065.76	10/30/00					
M7S	M07S	RWMC	2.76	5004.85	10/30/00		577.24	4430.37		
SOUTH-MON-A-001	<b>S</b>	RWMC	1.48	4994.19	10/30/00		563.83	4431.84		
SOUTH-MON-A-002	M12	RWMC	1.75	4975.28	10/30/00		533.86			
SOUTH-MON-A-003	M13	RWMC	1.79	5026.85	10/30/00		599.41	4429.23		
SOUTH-MON-A-004	W14	RWMC	2.78	5032.46	10/30/00		604.19	4431.05		
USGS-001		SOUTH	1.42	5022.71	10/30/00		588.37	4435.76		
USGS-083	0	SOUTH	2.15	4941.59	10/30/00		499.53			
USGS-104	0	SOUTH	2.98	4988.65	10/30/00		557.56	4434.07		
USGS-107	0	SOUTH	8.	4917.50	10/30/00		481.79	4437.66		
USGS-110	USGS-110A	SOUTH	2.53	4999.97	10/30/00		565.89	4436.61		
STF-MON-A-01A	STF-MON-01A	STF	1.82	4941.40	10/30/00				n/a	
STF-MON-A-02A	STF-MON-02A	STF	2.35	4937.30	10/30/00				n/a	
STF-MON-A-003		STF	2.05	4937.01	10/30/00		498.09	4440.97		
STF-MON-A-004		STF	2.16	4945.37	10/30/00		506.56	4440.97		
TAN-08	0	TAN	1.25	4790.37	10/30/00		218.44	4573.18		
TAN-13A	0	TAN	1.79	4780.57	10/30/00		207.14	4575.22		
TANT-MON-A-004	TAN-MON-A-001	TANT	2.83	4782.11	10/30/00		205.46	4579.48		
TANT-MON-A-005	TAN-MON-A-002	TANT	2.70	4784.10	10/30/00		209.45			
P\W-11	0	TRA	38.1	4916.49	10/30/00		112.79	4805.25		 
PW-12	0	TRA	1.24	4923.71	10/30/00					
PW-13	0	TRA	1.79	4923.82	10/30/00					
TRA-06		TRA	96.0	4920.14	10/30/00		470.89	4450.21		
TRA-07		TRA	2.53	4931.56	10/30/00		476.96			
TRA-08		TRA	1.47	4934.93	10/30/00		480.13	4456.27		
USGS-053		TRA	1.10	4922.14	10/30/00				DRY HOLE	÷
USGS-054	0	TRA	1.28	4920.94	10/30/00		67.01	4855.21		
USGS-055	0	TRA	86.1	4919.15	10/30/00		77.62	4843.11		
USGS-058	0	TRA	1.82	4918.37	10/30/00		461.88	4458.31		
USGS-065	0	TRA	89.0	4925.01	10/30/00		466.62			
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Table A-3. Water-level measurements for November 2000.

																																									-		-		
																																									not measure		not measure		
Adj wl														4453.80		4456.50	4456.83	e-surveyed	4456.71															4456.17	4457.16	4457.76	4456.90	4456.89			is sticking		is sticking	Ė	
Dev corr									PIPE WET					-0.73		-2.95	-5.72	needs to be r	-4.77															-5.24	-2.61	-6.46	7.4-	-2.23			ve water tape		ve water tape		
Comment									ACCESS PIF									repaired 1999	-4.77 4456.71	under repair																			time n/a		access is above water tape is sticking not measured		access is above water tape is sticking not measured		
wl(bbc)					595.24	587.08	590.40	89.009		473.01	486.85	483.39	483.24	479.41	471.83	478.17	481.12		488.28				461.98	472.41	473.08	472.41	472.54	472.86	473.33	465.74	465.19	449.09	482.66	469.57	473.29	473.98	467.89	464.18		608.54		610.19			
wl(ftbmp)   elev(ftamsl)						4447.23				4453.02	4449.59	4448.85	4447.07	4453.07	4456.53	4453.55	4451.11		4451.94				4454.38	4456.78	4456.56	4456.79	4456.84	4456.77	4457.62	4456.75	4456.60	4457.90	4456.60	4450.93	4454.55	4451.30	4452.20	4454.66		4433.56		4431.41			
wl(ftbmp)					597.48	589.78	592.86	603.35		474.63	488.98	485.32	485.07	480.76	473.18	479.59	482.35	488.3	489.88				462.75	473.48	474.63	473.59	473.76	474.19	474.56	467.66	467.37	450.67	484.94	471.84	475.58	476.32	470.17	466.48		610.46		611.08			
Time					9:11	9:02	8:49	9:27		11:20	1350	1340	1330	1515	1530	1450	1500	1425	1435				1155	1608	1615	1550	1545	1540	1630	1126	1049	1142	1415	1113	1032	1041	1056	1103		1200		1215			
Date					11/22/00	11/22/00	11/22/00	11/22/00		11,22,000	11/22/00	11/22/00	11/22/00	11/22/00	11/22/00	11/22/00	11/22/00	11/22/00	11/22/00				11/22/00	11/22/00	11/22/00	11/22/00	11/22/00	11/22/00	11/22/00	11/22/00	11/22/00	11/22/00	11/22/00	11/22/00	11/22/00	11/22/00	11/22/00	11/22/00		11/22/00		11/22/00			
BC Elev	5118.69	5132.80	5120.37	5120.99	5046.50	5034.30	5037.40	5050.10	5064.60	4926.03	4936.44	4932.24	4930.31	4932.48	4928.36	4931.72	4932.23	4942.62	4940.22	4941.08	4904.36	4907.10	4916.36	4929.19	4929.64	4929.20	4929.38	4929.63	4930.95	4922.49	4921.79	4906.99	4939.26	4920.50	4927.84	4925.28	4920.09	4918.84	4916.03	5042.10	5068.80	5041.60	5043.70	4852.33	7853.47
stickup(ft)	2.30	1.60	3.29	8:	2.24	2.71	2.46	2.67	2.40	1.62	2.13	1.93	1.83	<del>.</del> 8	8.1	1.42	1.33	222	1.60	1.69	1.75	2.50	77.0	1.07	1.55	1.18	1.22	6.1	1.23	1.92	2.18	1.58	2.28	2.27	2.29	2.34	2.28	2.30	2.53	1.92	3.10	68:0	1.51	3.04	380
Area	ANL	ANL	ANL	ANL	ARA	ARA	ARA	ARA	ARA	ARA	CFA	CFA	CFA	CFA	CFA	CFA	CFA	CFA	CFA	CFA	CPP	CPP	ICPP	CPP	9 9	ICPP	ICPP	ICPP	GPP	dd⊙l	ICPP	ICPP	ഥ	ICPP	ICPP	10PP	GPP F	EPP	GPP	LSI	LSIT	LSI	LSIT	NAF.	70N
Well Alias	ANL-MON-A-11	ANL-MON-A-12	ANL-MON-AQ-13	ANL-MON-AQ-14	ARA-COR-005	ARA-001	ARA-002	ARA-MON-A003A	0	0	CFA-MON-001	CFA-MON-002	CFA-MON-003	0	0	0	0	0	0	0	CPP-MA-21	CPP-MA-22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	LSIT TEST WELL	A11A31	RWMC-MA-65	RWMC-MA-66	NRF-MA-08	NDF-MA-09
Well Name	ANL-M11	ANL-MON-A-012	ANL-MON-A-013	ANL-OBS-A-014	ARA-COR-A-005	ARA-MON-A-001	ARA-MON-A-002	ARA-MON-A-003 /	ARA-MON-A-004	SITE-09	CFA-MON-A-001	CFA-MON-A-002	CFA-MON-A-003	LF2-10	LF2-11	LF2-08	LF2-09	LF3-10	LF3-08	LF3-09	ICPP-MON-A-021	ICPP-MON-A-022	USGS-020	USGS-034	USGS-035	USGS-036	USGS-037	USGS-038	USGS-039	USGS-057	USGS-077	USGS-082	USGS-085	USGS-111	USGS-112	USGS-113	USGS-114	USGS-115	USGS-116	RWMC-PRO-A-064 LSIT TEST WELL	RWMC-MON-A-013	RWMC-MON-A-066	RWMC-MON-A-066	NRF-MON-A-008	NRF-MON-A-009

steel tape broke off in well in 1996 under construction <u>li</u>ue wet access wet access Comment time n/a time n/a 574.56 562.65 586.53 593.04 597.43 601.48 441.84 514.11 492.85 532.17 497.06 554.74 479.69 563.29 499.21 496.43 504.40 11.50 474.25 581.82 495.10 469.80 wl(bbc) 4429.27 4429.63 4429.49 4430.29 4431.54 4442.19 4442.20 4440.58 4440.97 4445.18 4443.11 4429.42 4430.98 4444.53 4433.91 4437.81 4436.68 wl(ftbmp) elev(ftamsl) 4457.31 4464.31 4804.99 4450.34 4446.81 443.76 515.96 495.57 584.95 588.12 594.97 577.32 564.13 533.92 599.22 604.26 499.21 557.72 481.64 565.82 501.03 497.45 498.48 506.56 113.05 476.78 470.76 1104 1145 1236 1238 1385 1330 1450 1505 1143 1138 1157 1223 1420 Time 11,22,000 11,722,000 11,722,000 11/22/00 11/22/00 11,722/00 11,22,00 11/22/00 11/22/00 11/22/00 11,722/00 11/22/00 11/22/00 11,722,700 11/22/00 11/22/00 11/22/00 11,22,000 11/22/08 11/22/00 11/22/00 11/22/00 Date 4906.15 4959.29 5004.85 4917.50 4945.37 4916.49 4976.13 5011.09 5016.16 5022.53 5065.76 4994.19 4975.28 5026.85 5032.46 4941.59 4988.65 4920.14 4939.66 4941.40 4937.30 4784.10 4850.73 4843.59 5021.62 4999.97 4937.01 4790.37 4923.82 4931.56 5361.81 5022.71 4780.57 4782.11 4923.71 BC Elev 2.96 3.08 3.20 1.92 1.85 2.72 1.79 1.46 3.13 1.59 1.93 1.78 1.78 2.78 2.78 2.78 2.78 2.78 stickup(ft) OFF-BLR RWMC SOUTH SOUTH SOUTH SOUTH RWMC SOUTH RWMC RWMC RWMC RWMC RWMC RWMC RWMC RVAMO TANT TANT RE Z Z TRA TRA TRA 뿔 STF ΑAI STF STF TRA SITE-01A <u>M</u> **M**075 Ξ ω Σ M14 ₹ 9 M04D MOGS 0 USGS-110A NRF-MA-12 NRF-MA-13 ₹10S MB3SA 0 STF-MON-01A STF-MON-02A 00 0 00 0 TAN-MON-A-002 TAN-MON-A-001 NRF-MA-11 Well Alias Table A-3. (continued). SITE 01 WATER TA SOUTH-MON-A-BC SOUTH-MON-A-BC SOUTH-MON-A-00 SOUTH-MON-A-00 TANT-MON-A-004 TANT-MON-A-005 NRF-MON-A-012 NRF-MON-A-013 PBF-MON-A-003 PBF-MON-A-005 STF-MON-A-01A STF-MON-A-02A Well Name NRF-MON-A-011 PBF-MON-A-004 PBF-MON-A-001 STF-MON-A-003 STF-MON-A-004 USGS-001 JSGS-083 JSGS-104 JSGS-107 JSGS-110 TAN-13A TRA-06 PW-13 TAN-08 PW-12 TRA-07 PW-11 MISA ₹10S SES. MAD MAD S9M 8 2 2

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11/22/00 11/22/00 11/22/00

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TRA

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TRA TRA

USGS-053 USGS-054 USGS-055 **USGS-058** USGS-065

TRA-08

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Dev corr

A-8

Table A-4. Water-level measurements for December 2000.

	72					5118.69		
					5132.80	1.60		ANL
					5120.37	3.29		ANL
					5120.99	8		ANL
595.11	4451.39	597.35	1140	12/14/00	5046.50	2.24		ARA
587.36	4446.95	590.06	1125	12/14/00	5034.30	2.71		ARA
590.03	4447.37	592.49	1110	12/14/00	5037.40	2.46		ARA
600.59	4449.51	603.26	1215	12/14/00	5050.10	2.67		ARA
			1050	12/14/00	5064.60	2.40		ARA
472.82	4453.21	474.44	1245	12/14/00	4926.03	1.62		ARA
486.73	4449.71	488.86	9	12/14/00	4936.44	2.13		CFA
483.33	4448.91	485.26	1015	12/14/00	4932.24	1.93		CFA
483.09	4447.22	484.92	1028	12/14/00	4930.31	1.83		CFA
479.25	4453.23	480.6	1001	12/19/00	4932.48	1.35		CFA
472.29	4456.07	473.64	1046	12/19/00	4928.36	1.35		CFA
478.17	4453.55	479.59	1018	12/19/00	4931.72	1.42		CFA
481.20	4451.03	482.43	923	12/19/00	4932.23	1.23		CFA
		488.29	931	12/19/00	4942.62		222	
488.29	4451.93	489.89	944	12/19/00	4940.22	1.83		CFA
				12/19/00	4941.08	1.69		CFA
					4904.36	1.75		CPP
					4907.10	2.50		СРР
462.02	4454.34	462.79	1503	12/19/00	4916.36	0.77		ICPP
472.45	4456.74	473.52	1203	12/19/00	4929.19	1.07		ICPP
473.01	4456.63	474.56	1217	12/19/00	4929.64	1.55		ICPP
472.33	4456.87	473.51	1148	12/19/00	4929.20	1.18		CPP
471.60	4457.78	472.82	1132	12/19/00	4929.38	1.22		ICPP
472.69	4456.94	474.02	1118	12/19/00	4929.63	1.33		ICPP
474.42	4456.53	475.65	1234	12/19/00	4930.95	1.23		ICPP
465.67	4456.82	467.59	1449	12/19/00	4922.49	1.92		СРР
465.03	4456.76	467.21	1414	12/19/00	4921.79	2.18		ICPP
449.20	4457.79	450.78	1332	12/19/00	4906.99	<del>.</del>		ICPP
482.66	4456.60	484.94	915	12/19/00	4939.26	2.28		ICPP
469.58	4450.92	471.85	1429	12/19/00	4920.50	2.27		ICPP
473.46	4454.38	475.75	130	12/19/00	4927.84	2.29		CPP
473.77	4451.51	476.11	1310	12/19/00	4925.28	2.34		ICPP
467.96	4452.13	470.24	1359	12/19/00	4920.09	2.28		ICPP
464.38	4454.46	466.68	1349	12/19/00	4918.84	2.30		ICPP
458.16	4457.87	460.69	1408	12/19/00	4916.03	2.53		ICPP
610.65	4431.45	612.57	1280	12/18/00	5042.10	1.92		LST
					5068.80	3.10		LSIT
610.31	4431.29	611.2	1145	12/18/00	5041.60	0.89		LSIT
		0			5043.70	15.1		LSIT
					4852.33	3.04		NRF
	996,11 987,36 980,09		4451.39 4446.96 4447.37 4449.51 4449.71 4449.71 4449.71 4449.71 4449.71 4449.71 4456.07 4456.03 4456.63 4456.63 4456.63 4456.63 4456.60 4456.60 4456.60 4456.60 4456.60 4456.60 4456.60 4456.61 4456.79 4456.79 4456.79 4456.79 4457.79 4457.79 4457.79 4457.79 4457.79 4457.79 4457.79 4457.79	597.35 4451.39 590.06 4448.95 592.49 4447.37 603.26 4449.71 474.44 4463.21 488.86 4449.71 485.26 4448.91 487.20 4453.23 473.64 4456.07 479.59 4451.03 488.29 4451.03 488.29 4451.03 473.51 4456.63 473.51 4456.63 474.56 4456.63 475.65 4456.63 477.79 4456.70 487.79 4456.70 477.78 4456.79 477.78 4456.79 477.79 4457.79	1140 597.35 4451.39 1125 590.06 4446.95 1110 592.49 4447.37 1215 603.26 4449.51 1050 488.86 4449.71 1010 488.86 4449.71 1011 48.65.26 4448.71 1012 484.85 4448.71 1014 473.54 4451.03 931 488.29 4451.03 933 482.79 4451.03 944 489.89 4451.93 1203 462.79 4456.78 1118 474.02 4456.87 1118 474.02 4456.87 1118 474.02 4456.81 1118 474.02 4456.81 1118 474.02 4456.81 1119 477.86 4456.82 1414 467.21 4456.76 1324 475.66 4456.82 1414 467.21 4456.76 1330 470.24 4450.13 1349 466.68 4454.46 1369 470.24 4451.51 1369 470.24 4451.51 1369 470.24 4451.51 1369 470.24 4451.51 1369 470.24 4451.31	12/14/00	5118 69           5118 69           512 80           512 30           512 30           512 30           512 30           512 30           512 30           512 30           512 30           5034 50           5034 30           12/14/00         1110         592.49         4447.37           5050.10         12/14/00         1110         592.49         4447.37           5050.10         12/14/00         1126         603.26         4449.51           5050.10         12/14/00         1050         4449.71           4926.03         12/14/00         100         488.86         4449.71           4930.24         12/14/00         101         488.52         4448.71           4931.72         12/14/00         101         488.29         4451.03           4931.72         12/14/00         101         488.29         4451.03           4931.72         12/14/00         101         488.29         4451.03           4932.33         12/19/00         101         488.29         4451.03           4941.02         12/19/00         103         482.36         4450.04 </td <td>230         6118 69           1.60         6122 80           1.60         6122 80           1.60         6120 99           1.00         6120 99           1.00         6120 99           2.24         6046.50         12/14/00         1140         697.36         4461.39           2.71         5034.30         12/14/00         1116         690.06         4448.96           2.72         5064.01         12/14/00         1116         690.06         4448.97           2.72         5064.01         12/14/00         1246         4449.51           2.40         5064.60         12/14/00         1246         4449.51           2.40         5064.60         12/14/00         1246         4449.51           2.40         5064.60         12/14/00         1060         448.92         4448.71           2.40         5064.60         12/14/00         1061         448.92         4449.71           1.83         4930.31         12/14/00         1061         448.32         444.87           1.84         4930.31         12/14/00         1071         448.92         444.87           1.85         4930.31         12/14/00         <th< td=""></th<></td>	230         6118 69           1.60         6122 80           1.60         6122 80           1.60         6120 99           1.00         6120 99           1.00         6120 99           2.24         6046.50         12/14/00         1140         697.36         4461.39           2.71         5034.30         12/14/00         1116         690.06         4448.96           2.72         5064.01         12/14/00         1116         690.06         4448.97           2.72         5064.01         12/14/00         1246         4449.51           2.40         5064.60         12/14/00         1246         4449.51           2.40         5064.60         12/14/00         1246         4449.51           2.40         5064.60         12/14/00         1060         448.92         4448.71           2.40         5064.60         12/14/00         1061         448.92         4449.71           1.83         4930.31         12/14/00         1061         448.32         444.87           1.84         4930.31         12/14/00         1071         448.92         444.87           1.85         4930.31         12/14/00 <th< td=""></th<>

Table A-4. (continued).

	~ OBJECTED **	000			Cale	е Е		willing seeding milion)			Dev corr	\ ₹
NRF-MON-A-010	NRF-MA-10	NR.	3.27	4853.10								
NRF-MON-A-011	NRF-MA-11	뿔	2.96	4850.73								
NRF-MON-A-012	NRF-MA-12	NF.	3.08	4850.83								
NRF-MON-A-013	NRF-MA-13	NRF	3.20	4843.59								
SITE 01 WATER TABLE	SITE-01A	OFF-BLR	2.11	5361.81								
PBF-MON-A-001	0	-BB	1.92	4906.15	12/14/00	1204	443.84	4464.23	441.92			
PBF-MON-A-003	0	PBF	1.85	4959.29	12/14/00	1230	516.09	4445.05	514.24			
PBF-MON-A-004	0	---------------------------------------	2.72	4939.66	12/14/00	1240	495.27	4447.11	492.55			
PBF-MON-A-005	0	- HBF	1.79	4976.13	12/14/00	1215				access wet		
M10S	M10S	RWMC	1.46	5021.62	12/18/00					under repair		
M1SA	MO1S	RWMC	3.13	5011.09	12/18/00	1115	585.43	4428.79	582.30			
M3S	MO3SA	RWMC	1.59	5016.16	12/18/00	1220	588.28	4429.47	586.69			
M4D	M04D	RWMC	1.93	5022.53	12/18/00	1130	595.29	4429.17	593.36			
M6S	M06S	RWMC	1.86	5065.76	12/18/00					pabbnjd		
M7S	M07S	RWMC	2.76	5004.85	12/18/00	1240	577.49	4430.12	574.73			
SOUTH-MON-A-001	M11	RWMC	1.48	4994.19	12/18/00	138	564.47	4431.20	562.99			
SOUTH-MON-A-002	M12	RWMC	1.75	4975.28	12/18/00	1335	534.32	4442.71	532.57			
SOUTH-MON-A-003	M13	RWMC	1.79	5026.85	12/18/00	1320	599.53	4429.11	597.74			
SOUTH-MON-A-004	M14	RWMC	2.78	5032.46	12/18/00	1100	604.52	4430.72	601.74			
USGS-001		SOUTH	1.42	5022.71	12/18/00	1525	588.43	4435.70	587.01			
USGS-083		SOUTH	2.15	4941.59	12/18/00	1420	499.91	4443.83	497.76			
USGS:104		SOUTH	2.98	4988.65	12/18/00	1400	557.96	4433.67	554.98			
USGS-107	0	SOUTH	1.95	4917.50	12/18/00	1440	481.84	4437.61	479.89			
USGS-110	USGS-110A	SOUTH	2.53	4999.97	12/18/00	1500	565.79	4436.71	563.26			
STF-MON-A-01A	STF-MON-01A	STF	1.82	4941.40	12/14/00	1315	500.95	4442.27	499.13			
STF-MON-A-02A	STF-MON-02A	STF	2.35	4937.30	12/14/00	1300	496.94	4442.71	494.59			
STF-MON-A-003	0	STF	2.05	4937.01	12/14/00	1330	498.4	4440.66	496.35			
STF-MON-A-004	0	STF	2.16	4945.37	12/14/00	1345	506.39	4441.14	504.23			
TAN-08	0	TAN	1.25	4790.37								
TAN-13A	0	TAN	1.79	4780.57								
TANT-MON-A-004	TAN-MON-A-001	TANT	2.83	4782.11								
TANT-MON-A-005	TAN-MON-A-002	TANT	2.70	4784.10								
PW-11		TRA	1.55	4916.49	12/20/00	1256	112.76	4805.28	111.21			
PW-12	0	TRA	1.24	4923.71	12/20/00							
PW-13	0	TRA	1.79	4923.82	12/20/00							
TRA-06	0	TRA	96.0	4920.14	12/20/00	1121	471.01	4450.09	470.05			
TRA-07		TRA	2.53	4931.56	12/20/00	1057	476.95	4457.14	474.42			
TRA-08	0	TRA	1.47	4934.93	12/20/00	1152	480.06	4456.34	478.59			
USGS-053	0	ΙĞ	1.10	4922.14	12/20/00					dry		
USGS-054	0	TRA	1.28	4920.94	12/20/00	1229	75.49	4846.73	74.21			
USGS-055	0	TRA	1.58	4919.15	12/20/00	1307	79.52	4841.21	77.94			
NSGS-058		TRA	1.82	4918.37	12/20/00	1240	461.83	4458.36	460.01			
USGS-065	0	TRA	0.58	4925.01	12/20/00	138	466.39	4459.20	465.81			

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A-5.	
Table	

ANL-M11		INA		0,72			1					
	ANC-MON-A-11	į	2.3	5118.69								
ANL-MON-A-012	ANL-MON-A-12	ANL	9.									
ANL-MON-A-013	ANL-MON-AQ-13	ANL	3.29	ļ	h.							
ANL-0BS-A-014	ANL-MON-AQ-14	ANL	8.1	5120.99								
ARA-COR-A-005	ARA-COR-005	ARA	2.24	5046.50	18-Jan-01	824	597.39	4451.35				
ARA-MON-A-001	ARA-001	ARA	2.71	5034.30	18-Jan-01	812	589.69	4447.32				
ARA-MON-A-002	ARA-002	ARA	2.46	5037.40	1 18-Jan-01	833	592.73	4447.13				
ARA-MON-A-003	ARA-MON-AD03A	ARA	2.67	5050.10	18-Jan-01	844	603.38	4449.39	600.71			
ARA-MON-A-004	0	ARA	2.40	5064.60						wet access		
SITE-09	0	ARA	1.62	4926.03	3 18-Jan-01	1002	474.49	4453.16		<i>-</i>		
CFA-MON-A-001	CFA-MON-001	CFA	2.13	4936.44	ļ	1123	489.29	4449.28	487.16			
CFA-MON-A-002	CFA-MON-002	CFA	1.93	4932.24	1 18-Jan-01	1116	486.65	4447.52	484.72			,
CFA-MON-A-003	CFA-MON-003	CFA	1.83		1 18-Jan-01	1110	485.4	4446.74		<b>.</b>		
LF2-10		CFA	1.35			1244	480.76	4453.07			-0.73	4453.80
LF2-11	0	CFA	1.35	4928.36	1	1300				pagguld		
LF2-08	0	CFA	1.42		2 18-Jan-01	1251	479.86	4453.28			-2.95	4456.23
LF2-09		CFA	1.23	<u> </u>	3 18-Jan-01	1238	482.52	4450.94	481.29		5.73	
LF3-10	0	CFA	222	4942.62	2 18-Jan-01	1221	488.56					
LF3-08		CFA	1.60		2 18-Jan-01	1227	488.8	4453.02	487.20		-4.77	7 4457.79
LF3-09	0	CFA	1.69	4941.08	3 18-Jan-01					repair		
ICPP-MON-A-021	CPP-MA-21	GPP	1.75	4904.36	(0							
ICPP-MON-A-022	CPP-MA-22	CPP	2.50	4907.10								
USGS-020	0	ICPP	0.77		5 18-Jan-01	1524	462.93	4454.20	462.16			
USGS-034	0	ICPP	1.07		3 18-Jan-01	1327	473.74	4456.52	472.67	<b>L</b>		
USGS-035	0	ICPP	1.55			1336	474.88	4456.31	473.33			
USGS-036	0	<u>GP9</u>	1.18	·		1322	473.81	4456.57	472.63			
USGS-037	0	СРР	1.22			1316	473.59	4457.01	472.37	<b>.</b>		
USGS-038	0	ICPP	1.33		3 18-Jan-01	1308	474.38	4456.58				
USGS-039	0	ICPP	1.23		5 18-Jan-01	1343	475.27	4456.91				
USGS-057	0	ICPP	1.92	4922.49	3 18-Jan-01	1354	467.99	4456.42	466.07	_		
USGS-077	0	ICPP	2.18			1427	467.63	4455.34		10		
USGS-082	0	ICPP	1.58			1459	451.01	4457.56	449.43	œ.		
USGS-085	0	ICPP	2.28			1213	485.14	4456.40	482.86	(C)		
USGS-111	0	ICPP	2.27			1404	471.89	4450.88	469.62	c	-5.2	
USGS-112	0	ICPP	2.29			1411	475.57	4454.56	473.28		-2.61	
USGS-113	0	CPP	2.34			1419	476.57	4451.05	474.23	or.	-6.4k	
USGS-114	0	ICPP	2.28			1438	470.62	4451.75	468.34	<b>†</b>	7.4-	]
USGS-115	0	ICPP	2.30		4 18-Jan-01	1447	466.53	4454.61			-2.23	3 4456.84
USGS-116	0	ICPP	2.53		3 18-Jan-01	1511	460.73	4457.83				
RWMC-PRO-A-064	LSIT TEST WELL	LSIT	1.92	5042.10	0 19-Jan-D1	1234	612.44	4431.58	610.52	2		
RWMC-MON-A-013	A11A31	LSIT	3.10	5068.80	0 19-Jan-01					repair		
RWMC-MON-A-065	RWMC-MA-65	∐SI	0.89			1229	611.08	4431.41	610.19			
RWMC-MON-A-066	RWMC-MA-66	LSI	15.		0 19-Jan-01					repair		
NRF-MON-A-008	NRF-MA-08	AR F	3.04		m							
NRF-MON-A-009	NRF-MA-09	뿔	2.86		_					***************************************		
NRF-MON-A-010	NRF-MA-10	AR-	3.27	4853.10								

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Well Name NRF-MON-A-011 NRF-MON-A-012 NRF-MON-A-013 SITE 01 WATER TABLE PBF-MON-A-003	Well Alias	Area		į								
NRF-MON-A-011 NRF-MON-A-012 NRF-MON-A-013 SITE 01 WATER TABLE PBF-MON-A-001			stickup(ft)	BC Elev	Date	Time	wd(ftbmp)	wl(ftbmp) elev(ftamsl)	wl(bbc)	Comment	Dev corr	Adj wl
NRF-MON-A-012 NRF-MON-A-013 SITE 01 WATER TABLE PBF-MON-A-001 PBF-MON-A-003	NRF-MA-11	NRF	2.96	4850.73								
NRF-MON-A-013 SITE 01 WATER TABLE PBF-MON-A-001 PBF-MON-A-003	NRF-MA-12	NRF	3.08	4850.83								
SITE 01 WATER TABLE PBF-MON-A-001 PBF-MON-A-003	NRF-MA-13	NRF	3.20	4843.59								
PBF-MON-A-001 PBF-MON-A-003	SITE-01A	OFF-BLR	2.11	5361.81								
PBF-MON-A-003	0	뮴	1.92	4906.15	18-Jan-01	945	444.36	4463.71	442.44			
	0	脢	1.85	4959.29	18-Jan-01	8	516.12	4445.02	514.27			
PBF-MON-A-004	0	PBF	2.72	4939.66	18-Jan-01	88	495.46	4446.92	492.74			
PBF-MON-A-005	0	PBF	1.79	4976.13	18-Jan-01	933				wet access		
M10S	M10S	RWMC	1.45	5021.62	19-Jan-01					repair		
M1SA	M01s	RWMC	3.13	5011.09	19-Jan-01	1207	585.12	4429.10	581.99			
M3S	MO3SA	RWMC	1.59	5016.16	19-Jan-01	1251	588.18	4429.57	586.59			
M4D	M04D	RWMC	1.93	5022.53	19-Jan-01	1218		4429.39	593.14			
M6S	MOGS	RWMC	1.86	5065.76	19-Jan-01					repair		
M7S	M07S	RWMC	2.76	5004.85	19-Jan-01	1338	577.28	4430.33	574.52			
SOUTH-MON-A-001	M11	RWMC	1.48	4994.19	19-Jan-01	1357		4431.59				
SOUTH-MON-A-002	M12	RWMC	1.75	4975.28	19-Jan-01	1435	532.61	4444.42	530.86			
SOUTH-MON-A-003	M13	RWMC	1.79	5026.85	19-Jan-01	1415	599.02	4429.62	597.23			
SOUTH-MON-A-004	M14	RWMC	2.78	5032.46	19-Jan-01	1149		4430.95	601.51			
USGS-001	0	SOUTH	1.42	5022.71	19-Jan-01	1629				wet access		
USGS-083		SOUTH	2.15	4941.59	19-Jan-01	1527	499.42	4444.32	497.27			
USGS-104	0	SOUTH	2.98	4988.65	19-Jan-01	1504	557.44	4434.19	554.46			
USGS-107	0	SOUTH	1.95	4917.50	19-Jan-01	1547	481.69	4437.76	479.74			
USGS-110	USGS-110A	SOUTH	2.53	4999.97	19-Jan-01	1608	565.79	4436.71	563.26			
STF-MON-A-01A	STF-MON-01A	₽S	1.82	4941.40	18-Jan-01	1023	501.17	4442.05	499.35			
STF-MON-A-02A	STF-MON-02A	ST	2.35	4937.30	18-Jan-01	1013	497.49	4442.16	495.14			
STF-MON-A-003	0	STF	2.05	4937.01	18-Jan-01	1032	498.39	4440.67	496.34			
STF-MON-A-004	0	片	2.16	4945.37	18-Jan-01	1045	506.63	4440.90	504.47			
TAN-08	0	TAN	1.25	4790.37								
TAN-13A		TAN	-79	4780.57								
TANT-MON-A-004	TAN-MON-A-001	TANT	2.83	4782.11								
TANT-MON-A-005	TAN-MON-A-002	TANT	2.70	4784.10								
PW-11	0	TRA	- 1.55	4916.49	19-Jan-01	998	112.46	4805.58	110.91			
PW-12	0	TRA	1.24	4923.71	19-Jan-01							
PW-13	0	TRA	1.79	4923.82	19-Jan-01							
TRA-06	0	TRA	96.0	4920.14	19-Jan-01					snow		
TRA-07		TRA	2.53	4931.56	19-Jan-01					snow		
TRA-08	0	TRA	1.47	4934.93	19-Jan-01					snow		
USGS-053		TRA	1.10	4922.14	19-Jan-01	934				φιλ		
USGS-054	0	TR	1.28	4920.94	19-Jan-01	939				wet access		
USGS-055	0	TRA	1.58	4919.15	19-Jan-01	1901	80.36	4840.37	78.78			
USGS-058	0	TRA	1.82	4918.37	19-Jan-01	947				access wet		
USGS-065	0	TRA	0.58	4925.01	19-Jan-01					snow		

Table A-6. Water-level measurements for February 2001.

)		Z	SIICKUDIII		Dale	=		wi(πbmp) elev(πamsi)	(MIDDC)	Comment	Mallicellatice	Dev 5011	
ANL-M11	ANL-MON-A-11	ANL	2.30	5118.69									
ANL-MON-A-012	ANL-MON-A-12	AM	1.60		90								
ANL-MON-A-013	ANL-MON-AQ-13	ANL	3.29	5120.37	37	000000000000000000000000000000000000000	·						
ANL-08S-A-014	ANL-MON-AQ-14	AN	1.00		98						***************************************		
ARA-COR-A-005	ARA-COR-005	ARA	2.24		5046.50 27-Feb-01	915	596.69	4452.05	594.45				
ARA-MON-A-001	ARA-001	ARA	2.71	5034.30	R					no access			
ARA-MON-A-002	ARA-002	ARA	2.46		40 27-Feb-01	900	592.78	4447.08	590.32				
ARA-MON-A-003	ARA-MON-ADD3A	ARA	2.67		5050.10 27-Feb-01	940	602.99	4449.78			box repair/does not lock		
ARA-MON-A-004	0	ARA	2.40		20					no access			
SITE-09		ARA	1.62	4926.03	03 27-Feb-01	1200	474.55	4453.10	472.93				
CFA-MON-A-001	CFA-MON-001	CFA	2.13	4936.44	44 27-Feb-01	1355	489.17	4449.40	487.04				
CFA-MON-A-002	CFA-MON-002	CFA	1.93	4932.24	24 27-Feb-01	1343	486.58	4447.59	484.65				
CFA-MON-A-003	CFA-MON-003	CFA	1.83		31 27-Feb-01	1321	485.24	4446.90	483.41				
LF2-10	0	CFA	£.	4932.48		1515	480.83	4453.00	479.48			-0.73	4453.73
LF2-11	0		1.35			1410	474.25	4455.46	472.90		box repair/does not lock		
LF2-08	0		1.42	4931.72	72 27-Feb-01	1530	479.98	4453.16	478.56			-2.95	4456.11
LF2-09	0	CFA	1.23	4932.23	23 27-Feb-01	1500	482.66	4450.80	481.43			-5.72	4456.52
LF3-10	0	CFA	222	4942.62	52					need surveyed	B.C. Elev./pad/posts		
LF3-08	0		1.60	4940.22	22 27-Feb-01	1445	490.2	4451.62	488.60			-4.77	4456.39
LF3-09	0		1.69	4941.08	80					under repair	major repair/unlocked		
ICPP-MON-A-021	CPP-MA-21	CPP	1.75		36								
ICPP-MON-A-022	CPP-MA-22	CPP	2.50	4907.10	10								
USGS-020	0		0.77		36					no access			
USGS-034	0		1.07	4929.19	19								
USGS-035			1.55							no access			
NS6S-036	0		1.18			88	473.86	4456.52	472.68				
USGS-037			1.2		38 28-Feb-01	914	473.54	4457.06	472.32				
USGS-038	0		1.33		53 28-Feb-01	920	474.41	4456.55	473.08				
USGS-039	0	10PP	1.23		35								
.0SGS-057	0		1.92			190	468.08	4456.33	466.16				
USGS-077	0		2.18			1041	467.68	4456.29	465.50				
USGS-082			8			1307	451.16	4457.41	449.58				
USGS-085			2.28			1430	485.26	4456.28	482.98				
USGS-111	0		2.27			1248	472.2	4450.57	469.93			-5.24	4455.81
USGS-112	0		2.29		oronoroi	1017	475.94	4454.19	473.65			-2.61	4456.80
USGS-113	0		2.34			1029	476.59	4451.03	474.25			-6.46	4457.49
USGS-114	0		2.28	4920.09		1057	470.6	4451.77	468.32			-4.7	4456.47
USGS-115	0		2.30	4918.84	incorrection.	1113	466.48	4454.66	464.18			-2.23	4456.89
USGS-116	0	ļ	2.53	4916.03		1328	461.19	4457.37	458.66				
RWMC-PRO-A-064	LSIT TEST WELL	LSI	1.92	5042.10	10					no access			
RWMC-MON-A-013	A11A31	LSI	3.10		8					no access	access pipe lowered		
RWMC-MON-A-065	RWMC-MA-65	LSI	0.89		8					no access	access pipe lowered		
RWMC-MON-A-066	RWMC-MA-66	LSI	<u>.</u>	-	70					no access			
NRF-MON-A-008	NRF-MA-08	HH.	3.04	4852.33	33								
NRF-MON-A-009	NRF-MA-09	烿	2.86		47								
NRE-MON-A-010	NRF-MA-10	뿔	3.27	4853.10	10								

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Table	3

Well Name	Well Alias	Area	SICKUDIT			2 E	2	0	300	5	0	2000	2
NRF-MON-A-011	NRF-MA-11		2.96			1	1						•
NRF-MON-A-012	NRF-MA-12	Z Z	388	4850.83									
NRF-MON-A-013	NRF-MA-13	NRF	328	4843.59									
SITE 01 WATER TABLE		OFF-BLR	2.11	5361.81									
PBF-MON-A-001		0 PBF	1.92	4906.15 27-F	27-Feb-01	118	444.28	4463.79	442.36				
PBF-MON-A-003		0 PBF	1.85	4959.29 27-F	27-Feb-01	1038	515.74	4445.40	513.89				
PBF-MON-A-004		0 PBF	2.72	4939.66 27-F	27-Feb-01	1115	495.39	4446.99	492.67				
PBF-MON-A-005		) PBF	1.79	4976.13					ou	no access			
M10S	M10S	RWMC	1.46	5021.62					Š	under repair			
M1SA	M01S	RWMC	3.13	5011.09 26-F	26-Feb-01	118	585.38	4428.86	582.23				
M3S	MO3SA	RWMC	1.59	5016.16 26-F	26-Feb-01	1140	588.35	4429.40	586.76				
M4D	M04D	RWMC	1.93		26-Feb-01	1115	595.2	4429.26	593.27				
M6S	MOGS	RWMC	1.88	5065.76					ηd	plugged			
M7S	M07S	RWMC	2.76	5004.85					No	no access			
SOUTH-MON-A-001	M11	RWMC	1.48	4994.19					ou u	no access			
SOUTH-MON-A-002	M12	RWMC	1.75	4975.28 26-F	26-Feb-01	1220	533.91	4443.12	532.16				
SOUTH-MON-A-003	M13	RWMC	1.79	5026.85					9	no access			
SOUTH-MON-A-004	M14	RWMC	2.78	5032.46					ou	no access			
USGS-001		) SOUTH	1.42	5022.71 26-F	26-Feb-01	1340	588.62	4435.51	587.20				
USGS-083		0 SOUTH	2.15	4941.59 28-F	28-Feb-01	1509	499.37	4444.37	497.22				
USGS-104		0 SOUTH	2.98	4988.65 28-F	28-Feb-01	1533	557.26	4434.37	554.28				
USGS-107		) SOUTH	1.95	4917.50					ou	no access			
USGS-110	USGS-110A	SOUTH	2.53	4999.97					00	no access			
STF-MON-A-01A	STF-MON-01A	STF	1.82	4941.40 27-F	27-Feb-01	1218	201.08	4442.14	499.26				
STF-MON-A-02A	STF-MON-02A	STF								no access			
STF-MON-A-003					27-Feb-01	1231	500.27	4438.79	498.22				
STF-MON-A-004			2.16	4945.37					ou u	no access			
TAN-08		O TAN	1.25	4790.37									
TAN-13A			1.79	4780.57									
TANT-MON-A-004	TAN-MON-A-001	TAM.		4782.11									
TANT-MON-A-005	TAN-MON-A-002	TANT	2.70	4784.10									
Pw-11			1.55		28-Feb-01	1433	112.37	4805.67	110.82				
PW-12	_	O TRA	1.24	4923.71									
Pw-13		O TRA	1.79	4923.82									
TRA-06			96.0	4920.14					9	no access			
TRA-07			2.53	4931.56					ou	no access			
TRA-08	_		1.47						92	no access			
USGS-053		O TRA	1.10	4922.14 28-F	28-Feb-01	1350 dry	<b>&gt;</b> -						
USGS-054	_	O TRA	R. -	4920.94 28-F	28-Feb-01	1407	73.12	4849.10	71.84				
USGS-055	_		- - -	4919.15 28-F	28-Feb-01	1440	79.59	4841.14	78.01				
USGS-058	_	O TRA	1.82	4918.37 28-F	28-Feb-01	1428	462.04	4458.15	460.22				
USGS-065			0.58	4925.01					00	access			
USGS-121		NTEC	1.82	4909.65 28-F	28-Feb-01	1614	455.08	4456.39	453.26		stick-up/elev.	7	5 4457.89
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ANL-M11	ANL-MON-A-11	ANL	2.30	_				, , , , , , , , , , , , , , , , , , ,			
ANL-MON-A-012	ANL-MON-A-12	ANL	1.80	5132.80							
ANL-MON-A-013	ANL-MON-AQ-13	ANL	3.29	5120.37							
ANL-OBS-A-014	ANL-MON-AQ-14	ANL	1.00	5120.99							
ARA-COR-A-005	ARA-COR-005	ARA	2.24	5046.50 29-Mar-01	1330			595.18			
ARA-MON-A-001	ARA-001	ARA	2.71		1315	589.75		587.05			
ARA-MON-A-002	ARA-002	ARA	2.46	5037.40 29-Mar-01	- T			590.33			
ARA-MON-A-003	ARA-MON-A003A	ARA	2.67		1340		4449.40	600.70			
ARA-MON-A-004	0	ARA	2.40		8				Moisture in access		
SITE-09	0	ARA	1.62	4926.03 29-Mar-01	1400	474.5	4453.15	472.88			
CFA-MON-A-001	CFA-MON-001	CFA	2.13	4936.44 30-Mar-01	1145	489.06		486.93			
CFA-MON-A-002	CFA-MON-002	CFA	1.93	4932.24 30-Mar-01	1138	485.47	4448.70	483.54			
CFA-MON-A-003	CFA-MON-003	CFA	1.83	4930.31 30-Mar-01	1128	485.13	4447.01	483.30			
LF2-10	0	CFA	1.35	4932.48 30-Mar-01	1310	480.89	4452.94	479.54		-0.73	4453.67
LF2-11	0	CFA	1.35	4928.36					no access		
LF2-08	0	CFA	1.42	4931.72 30-Mar-01	1305		4453.15	478.57		-2.95	4456.10
LF2-09	0	CFA	1.23	4932.23 30-Mar-01	1255			481.51		-5.72	4456.44
LF3-10	0	CFA	555	4942.62					need BC		
LF3-08	0	CFA	1.60	4940.22 30-Mar-01	1240	490.3	4451.52	488.70		-4.77	4456.29
LF3-09	0	CFA	1.69	4941.08					under repair		
ICPP-MON-A-021	CPP-MA-21	CPP	1,75	4904.36							
ICPP-MON-A-022	CPP-MA-22	CPP	2.50	4907.10							
USGS-020	0	임	0.77		1654			461.87			
USGS-034	0	임	1.07	4929.19 29-Mar-01	1340	473.86	4456.40	472.79			
USGS-035	0	님	1.55	4929.64 29-Mar-01	1359	475.02	4456.17	473.47			
0SGS-036	0	임	1.18	4929.20 29-Mar-01	1330			472.76			
USGS-037	0	임	1.22	4929.38 29-Mar-01	1320		4456.43	472.95			
USGS-038	0	B	1.33	4929.63 29-Mar-01	1320	٦		473.21			
NS6S-039	0	ఠ	1.23	4930.95 29-Mar-01	1405			474.57			
USGS-057	0	ICPP	1.92	4922.49 29-Mar-01	1411	468.14		466.22			
USGS-077	0	ᇟ	2.18	4921.79 29-Mar-01	1443			465.62			
USGS-082	0	뮨	1.58		1514			449.58			
NSGS-085	0	님	2.28		1225	485.33		483.05			
USGS-111	0	GP	2.27		1418			470.05		-5.24	4455.69
USGS-112	0	ఠ	2.29		1428			473.94		-2.61	4456.51
USGS-113	0	B	2.34	4925.28 29-Mar-01	1435			474.39		-6.46	4457.35
USGS-114	0	B	2.28	4920.09 29-Mar-01	1448	470.55		468.27		7.4	4456.52
USGS-115	0	B	2.30	4918.84 29-Mar-01	1457	466.86	4454.28	464.56		-2.23	4456.51
USGS-116	0	ICPP	2.53	4916.03 29-Mar-01	1504	461.04		458.51			
RWMC-PRO-A-064	LSIT TEST WELL	TIS.	1.92	5042.10						0	
RWMC-MON-A-013	A11A31	LSI	3.10	5068.80							
RWMC-MON-A-065	RWMC-MA-65	LSIT	0.89	5041.60							
RWMC-MON-A-066	RWMC-MA-66	ESI	1.51	5043.70							
NRF-MON-A-008	NRF-MA-08	RRF	3.04	4852.33							
NRF-MON-A-009	NRF-MA-09	NRF	2.86	4853.47							
NRF-MON-A-010	NRF-MA-10	뿔	3.27	4853.10							

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l able A-7. (continued)	موزالا Well Aliae		Ares	inchini(#)	BC Flox	Doto	ا ا	(Mahma)	withhmn) alovitismel)	(Althor)	Commont		20 CS
	well Allas		Med	3				MILITATION	elev(itatrisi)	(SOO)	TUBILITIES CONTINUES	JIOD MAC	M (N)
	NKF-MA-11		皇	7.36	485U./3								
_	NRF-MA-12		불	3.88	4850.83								
-	NRF-MA-13		NRF	3.20	4843.59								
SITE 01 WATER TABLE	SITE-01A	Ö	OFF-BLR	2.11	5361.81								
			PBF	1.92	4906.15	29-Mar-01	1201	444.19	4463.88	442.27			
			PBF	8	4959.29	29-Mar-01	1352				STUCK 560		
		0	PBF	2.72	4939.66	29-Mar-01	1220	1 495.4		492.68			
			PBF	1.79	4976.13	29-Mar-01	1330	41)	4468.99	507.14			
_	M10S	Ľ	RWMC	1.46	5021.62	ojaanan					new locks		
-	M010	Ľ	RWMC	 	5011.09						new locks		
	MO3SA	Ľ	RWMC	1.59	5016.16						new locks		
	M04D	ır	RWMC	1.93	5022.53						new locks		
	MOGS	ur	RWMC	1.86	5065.76						new locks		
. =	MOZS	. cr	RWMC	2.76	5004 85						new locks		
SOUTH-MON-A-001	M11	. ur	RWMC	148	4994 19						new locks		
	M12		DWW	1.75	4975 28						now locks		
	M13	_ 0		. t	15 15 15 15 15 15 15 15 15 15 15 15 15 1						new locks		
	213	_   0		. c	50.020.00 50.000 AR								
				 5.6	0007.4007	20 00	760				Hew locks		
***************************************	***************************************			74.	17.7706		ָּהָיה ער הַייִּה ער		-	17. /DD	***************************************	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	***************************************
			SUUTH	7.15	4941.59					497.32			
			SOUTH	2.98	4988.65		1020		000000000000000000000000000000000000000	554.61			
		တ (၁	SOUTH	£.	4917.50	2	<u>\$</u>			479.99			
	USGS-110A	W	SOUTH	2.53	4999.97		8	565.81	4436.69	963.28			
	STF-MON-01A		ES.	1.82	4941.40	29-Mar-01	1430		4442.14	499.26			
	STF-MON-02A		₽S	2.35	4937.30	29-Mar-01	1415			495.01			
		0	STF	2.05	4937.01	29-Mar-01	1440	1 498.46	4440.60	496.41			
		0	STF	2.16	4945.37	29-Mar-01	1500	506.58	4440.95	504.42			
		0	TAN	1.25	4790.37								
		ļ	TAN	1.79	4780.57								
TANT-MON-A-004	TAN-MON-A-001		TANT	2.83	4782.11								
	TAN-MON-A-002		TANT	2.70	4784.10								
		0	TRA	1.55	4916.49	30-Mar-01	1619	112.12	4805.92	110.57			
		0	TRA	1.24	4923.71	30-Mar-01					NO ACCESS		
		0	TRA	1.79	4923.82	30-Mar-01					NO ACCESS		
			TRA	0.98	4920.14	30-Mar-01	<u> </u>	472.34	4448.76	471.38			
		0	TRA	2.53	4931.56	. <del> </del>	<u>(3</u>			474.73			
		0	TRA	1.47	4934.93	30-Mar-01	1551	ļ		478.99			
		0	TRA	1.10	4922.14		1602	占					
ö			TRA	1.28	4920.94	30-Mar-01	1606	5 70.9	4851.32	69.62			
		0	TRA	1.58	4919.15	30-Mar-01	1623	3 79.47	4841.26	77.89			
		0	TRA	1.82	4918.37	30-Mar-01	1613	3 461.38	4458.81	459.56			
		0	TRA	0.58	4925.01	30-Mar-01	1544	466.6	4458.99	466.02			
		O INTEC	<u>Ц</u>	1.82	4909.65	30-Mar-01	1640			453.34		<u>.</u>	4457.81
		L C			0000	40 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	000,4	00 000	L, C,				

Table A-8. Water-level measurements for April 2001.

Well Name	Woll Aliac	Area	etickin(#)	BC Flow	-	Time	a (mmhmh)	Withmu) blov(#amel)	wilhhr) Commont	tuac	Dov corr	Adi alay
ANL-M11	ANL-MON-A-11	ANL	230	3		ĪΞ	637.55	4483.44	150			
ANL-MON-A-012	ANL-MON-A-12	AN	1.69		5	55	638.81	4495.59	637.21			
ANL-MON-A-013	ANL-MON-AQ-13	ANL	3.29	.3	9r-01	915	650.82	4472.84	647.53			
ANL-0BS-A-014	ANL-MON-AQ-14	ANL	1.00	5120.99 20-Apr-01	or-01	902	640.24	4481.75	639.24			
ARA-COR-A-005	ARA-COR-005	ARA	2.24	5046.50 19-Apr-01	ē	88	589.75	4448.99	597.51			
ARA-MON-A-001	ARA-001	ARA	2.71	5034.30 19-Apr-01	5	849	592.01	4445.00	589.31			
ARA-MON-A-002	ARA-002	ARA	2.46	5037.40 19-Apr-01	5.0	841	594.97	4444.89	592.51			
ARA-MON-A-003	ARA-MON-AD03A	ARA	2.67	5050.10 19-Apr-01	Ā	910	29:509	4447.10	603.00			
ARA-MON-A-004	0	ARA	2.40	5064.60 19-Apr-01	ē				wet access	SSection		
SITE-09	0	ARA	1.62	4926.03 19-Apr-01	Đ.	1018	475.27	4452.38	473.65			
CFA-MON-A-001	CFA-MON-001	CFA	2.13	4936.44 19-Apr-01	ē	1200	489.59	4448.98	487.46			
CFA-MON-A-002	CFA-MON-002	CFA	1.93		<u>1</u>	1215	486.12	4448.05	484.19			
CFA-MON-A-003	CFA-MON-003	CFA	1.83	4930.31 19-Apr-01	3r-01	1230	485.72	4446.42	483.89			
LF2-10	0	CFA	- 1.35 - 1.35	4932.48 19-Apr-01	ē	1320	481.59	4452.24	480.24		-0.73	4452.97
LF2-11	0	CFA	8.1	4928.36 19-Apr-01	9r-01	1340	474.81	4454.90	473.46			
LF2-08	0	CFA	1.42	4931.72 19-Apr-01	<u>Pro</u>	1330	480.71	4452.43	479.29		-2.95	4455.38
LF2-09	0	CFA	1.23	l	Ē	1310	483.45	4450.01	482.22		-5.72	
LF3-10	0	CFA	222	4942.62 19-Apr-01	Ē				dw ou			
LF3-08		CFA	1.69		<u>1</u> -	1300	491.07	4450.75	489.47		-4.77	4455.52
LF3-09	0	CFA	1.69	4941.08 19-Apr-01	<u>5</u>				const	construction		
ICPP-MON-A-021	CPP-MA-21	GPP	1.75	4904.36								
ICPP-MON-A-022	CPP-MA-22	CPP	2.50	4907.10								
USGS-020	0	ICPP	77.0	4916.36 19-Apr-01	ē	1610	464.03	4453.10	463.26			
USGS-034	0	ICPP	1.07	4929.19 19-Apr-01	둳	1420	474.57	4455.69	473.50			
USGS-035	0	ICPP	25	4929.64 19-Apr-01	) <u>r</u>	1430	475.78	4455.41	474.23			
USGS-036	0	입	1.18	4929.20 19-Apr-01	둳	1410	474.66	4455.72	473.48			
USGS-037		립	1.22		ي. 10-	1400	474.91	4455.69	473.69			
NSGS-038	0	CPP	133		P.G	1351	475.24	4455.72	473.91			
USGS-039	0	ICPP	1.23	4930.95 19-Apr-01	ē	1441	476.52	4455.66	475.29			
USGS-057	0	ICPP	1.92	4922.49 19-Apr-01	jr⊡	1450	468.86	4455.55	466.94			
USGS-077	0	ICPP	2.18		ρō	1547	468.41	4455.56	466.23			
USGS-082	0	CPP	1.58		<u>101</u>	1525	451.85	4456.72	450.27			
US6S-085	0	CPP	2.28		ě	1250	485.99	4455.55	483.71			
USGS-111	0	ICPP	2.27	4920.50 19-Apr-01	9 <u>-</u> 01	1500	473.03	4449.74	470.76		-5.24	
USGS-112	0	ICPP	2.29		or-01	1534	476.95	4453.18	474.66		-2.61	
USGS-113	0	CPP	2.34			1540	477.46	4450.16	475.12		-6.46	
USGS-114	0	(PP	2.28	4920.09 19-Apr-01	or <u>e</u> 1	1555	471.24	4451.13	468.96		7.4-	4455.83
USGS-115	0	B	2.30	4918.84 19-Apr-01	Ē	1600	467.49	4453.65	465.19		-2.23	4455.88
USGS-116	0	ICPP	2.53	4916.03 19-Apr-01	ě	1515	461.76	4456.80	459.23			
RWMC-PRO-A-064	LSIT TEST WELL	LSIT	1.92	5042.10 18-Apr-01	<u>1</u>	1410	614.78	4429.24	612.86			
RWMC-MON-A-013	A11A31	LSIT	3.10	5068.80 18-Apr-01	Ā	1350	643.82	4428.08	640.72			
RWMC-MON-A-065	RWMC-MA-65	LSIT	0.89	5041.60 18-Apr-01	듄	1405	613.42	4429.07	612.53			
RWMC-MON-A-066	RWMC-MA-66	LSIT	<u>.</u>	5043.70 18-Apr-01	9 <u>r</u> -01	1400	620.46	4424.75	618.95			
NRF-MON-A-008	NRF-MA-08	NF.	3.04		) <u>-</u> 01	1030	375.28	4480.09	372.24			
NRF-MON-A-009	NRF-MA-09	NRF	2.86	4853.47 18-Apr-01	j01	1045	376.54	4479.79	373.68			
NRF-MON-A-010	NRF-MA-10	NR.	3.27	4853.10 18-Apr-01	1 <del>0</del> 10	18	376.62	4479.75	373.35			

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	보 ! 건 !		8.7 8.1		18-Apr-U1	G   :	3/3.82	4479.87	3/0.86	
	NRF	- 1	89 67		18-Apr-01	138	374.07	4479.84	370.99	
	NRF		3.2		18-Apr-01	1145	388.89	4478.10	365.49	
SITE-01A OFF-BLR	OFF-BLR		2.11		19-Apr-01					
184 0	78F		1.92	4906.15 1	19-Apr-01	8	444.68	4463.39	442.76	
180 0	78F		<u>-</u> 8	4959.29 1	19-Apr-01	926	518.42	4442.72	516.57	
184 0	78F		2.72	4939.66 1	19-Apr-01	5	496.06	4446.32	493.34	
	784		1.73 57.1	4976.13 1	19-Apr-01	945	511.11	4466.81	509.32	
M10S RW/MC	RWMC		1.46	5021.62 1	18-Apr-01				ssaccess	
M01S RWMC	RWMC		3.13	5011.09 1	18-Apr-01	133	587.21	4427.01	584.08	
ദ്	RWMC		65.	5016.16 18-Apr-01	8-Apr-01	1445	590.35	4427.40	588.75	
MD4D RWMC	RWMC		1.93	5022.53 18-Apr-01	8-Apr-01	1415	597.05	4427.41	595.12	
	RWMC		8	5065.76	18-Apr-01	1427	641.01	4426.61	639.15	
ഗ	RWMC		2.76		8-Apr-01	1440	579.55	4428.06	576.79	
	RWMC		- 84		18-Apr-01	1455	566.16	4429.51	564.68	
	RWMC		1.75	4975.28 1	18-Apr-01	1515	536.95	4440.08	535.20	
	RWMC		1.79		18-Apr-01	1505 205	601.37	4427.27	599.58	
M14 RWMC	RWMC		2.78		18-Apr-01	1315	606.49	4428.75	603.71	
D SOUTH	SOUTH		1.42	5022.71 2	20-Apr-01	8	590.87	4433.26	589.45	
D SOUTH	SOUTH		2.15	4941.59 1	18-Apr-01	1559	509.03	4434.71	506.88	
O SOUTH	SOUTH		2.98	4988.65 1	18-Apr-01	1547	559.61	4432.02	556.63	
O SOUTH	SOUTH		<del>.</del> 8	4917.50 2	20-Apr-01	1320	482.54	4436.91	480.59	
USGS-110A SOUTH	SOUTH		2.53	4999.97	20-Apr-01	1342	588.3	4434.20	565.77	
STF-MON-01A STF	STF		1.82	4941.40 1	19-Apr-01	1047	503.26	4439.96	501.44	
STF-MON-02A STF	STF		2.38		19-Apr-01	1030	498.07	4441.58	495.72	
	STF		2.05	mung	19-Apr-01	1101	500.86	4438.20	498.81	
O STF	STF		2.16		19-Apr-01	1120	508.68	4438.85	506.52	
OTAN	ZAZ		1.25	4790.37					no access	
O TAN	TAN		1.79	4780.57					no access	
	TANT		2.83		20-Apr-01	1219	207.02	4577.92	204.19	
	TANT		2.70		20-Apr-01	123	202.42	4584.38	199.72	
O TRA	TRA		- 33.		20-Apr-01	1101	111.91	4806.13	110.35	
	TRA		1.24		15-Apr-01	98	88 89	4836.60	87.11	
O TRA	TRA		1.79	4923.82	15-Apr-01	1310	77.08	4848.53	75.29	
0 TRA	TRA		96.0	4920.14 2	20-Apr-01	88 88	471.81	4449.29	470.85	
O TRA	TRA		2.53	4931.56 2	20-Apr-01	945	477.92	4456.17	475.39	
0 TRA	TRA		1.47	4934.93 2	20-Apr-01	1017	481.03	4455.37	479.56	
O TRA	TRA		1.10	4922.14 2	20-Apr-01	1033 d	dry			
O TRA	TRA		- 81	4920.94 2	20-Apr-01		70.46	4851.76	69.18	
O TRA	TRA		- 88	4919.15 2	20-Apr-01	1108	77.12	4843.61	75.54	
O TRA	TRA		1.82	4918.37	20-Apr-01	1054	462.88	4457.31	461.06	
	TRA		85.0		20-Apr-01	1005	467.18	4458.41	466.60	
O INTEC	INTEC		1.82	4909.65 2	20-Apr-01	1120	455.97	4455.50	454.15	-1.5 4457.00
USGS-127 CFA	CFA		1.57	4956.44 1	18-Apr-01	1615	508.9	4449.11	507.33	

Table A-9. Water-level measurements for May 2001.

Well Name		1			-			10000				
7 7 7 7 7 7 7	77 4 14074 1144	7 2	Allehup(III)	DC CIEV Date	יינו מ		a Million	withouthy elevinants	(ann)	Tillelli Control		
ANL-MII	ANC-MOR-A-11	AM	8.7	5.116.69								
ANL-MON-A-012	ANL-MON-A-12	ANL	1.80	5132.80							************	
ANL-MON-A-013	ANL-MON-AQ-13	ANL	3.29	5120.37								
ANL-0BS-A-014	ANL-MON-AQ-14	AN	8.1	5120.99								
ARA-COR-A-005	ARA-COR-005	ARA	2.24	5046.50 30-May-01		1428	601.84	4446.90	599.60			
ARA-MON-A-001	ARA-001	ARA	2.71			1434	591.66	4445.35	588.96			
ARA-MON-A-002	ARA-002		2.46	5037.40 30-May-01		1414	594.62	4445.24	592.16			
ARA-MON-A-003	ARA-MON-AD03A		2.67			1406	605.37	4447.40	602.70			
ARA-MON-A-004	0	ARA	2.40	5064.60 30-May-01	Ì	1343	495.87	4571.13	493.47			
SITE-09	0	ARA	1.62		,	1450	475.03	4452.62	473.41			
CFA-MON-A-001		CFA	2.13	4936.44 31-May-01	-01	955	489.51	4449.06	487.38			
CFA-MON-A-002	CFA-MON-002	CFA	1.93		4-01	945	485.99	4448.18	484.06			
CFA-MON-A-003	CFA-MON-003	CFA	1.83		-01	935	485.64	4446.50	483.81			
LF2-10	3	CFA	1.35	terror		1023	481.76	4452.07	480.41		-0.73	4452.80
LF2-11	0	CFA	1.35		10-1	1039	474.51	4455.20	473.16	0		
LF2-08	0	CFA	1.42	4931.72 31-May-01	10-1	1030	480.42	4452.72	479.00		-2.95	
LF2-09	0	CFA	1.23	4932.23 31-May-01	Į.	1018	483.16	4450.30	481.93		-5.72	4456.02
LF3-10	0	CFA	222	4942.62 31-May-01	f-01							
LF3-08		CFA	1.60	4940.22 31-May-01		187	490.74	4451.08	489.14		-4.77	4455.85
LF3-09	0	CFA	1.69		10-J							
ICPP-MON-A-021	CPP-MA-21	CPP	1.75	4904.36								
ICPP-MON-A-022	CPP-MA-22	CPP	2.50	4907.10								
USGS-020		GPP	0.77	4916.36 29-May-01	10-1		464.41	4452.72	463.64			
USGS-034		<u>GPP</u>	1.07	4929.19 29-May-01	-0-J		476.05	4454.21	474.98			
USGS-035	0	CPP	£6.1	4929.64 29-May-01	Į.		475.11	4456.08	473.56			
USGS-036	0	СРР	1.18	4929.20 29-May-01	f-01		474.28	4456.10	473.10			
USGS-037	0	CPP	1.22	4929.38 29-May-01	5		474.51	4456.09	473.29			
USGS-038	0	ICPP	1.33	4929.63 29-May-01	r-01		473.65	4457.31	472.32			
USGS-039	0	ICPP	1.23	4930.95 29-May-01	10-j		476.05	4456.13	474.82			
USGS-057		СРР	1.92	4922.49 29-May-01	γ-01		468.3	4456.11	466.38			
USGS-077	0	ICPP	2.18	4921.79 29-May-01	5		468.02	4455.95	465.84			
USGS-082	0	ICPP	1.58	4906.99 29-May-01	f-01		451.56	4457.01	449.98			
USGS-085	0	CPP	2.28	4939.26 29-May-01	-J		485.79	4455.75	483.51			
USGS-111	0	ICPP	2.27	4920.50 29-May-01	f-01		472.56	4450.21	470.29		-5.24	
USGS-112	0	CPP	2.29	4927.84 29-May-01	-J-		476.54	4453.59	474.25		-2.61	4456.20
USGS-113	0	ICPP	2.34	4925.28 29-May-01	f-01		477.03	4450.59	474.69		-6.46	
USGS-114	0	B	2.28	4920.09 29-May-01	-J-		470.88	4451.49	468.60		-4.7	4456.19
USGS-115		СРР	2.30	4918.84 29-May-01	f-01		467.11	4454.03	464.81		-2.23	4456.26
USGS-116		СРР	2.53	4916.03 29-May-01	f-01		461.35	4457.21	458.82			
RWMC-PRO-A-064	LSIT TEST WELL	LSIT	1.92	5042.10 30-May-01	f-01	925	614.48	4429.54	612.56			
RWMC-MON-A-013	A11A31	LSIT	3.10	5068.80 30-May-01	f-0-1	945	643.71	4428.19	640.61			
RWMC-MON-A-065	RWMC-MA-65	LSIT	0.89	5041.60 30-May-01	f-01	933	613.89	4428.60	613.00			
RWMC-MON-A-066	RWMC-MA-86	LSIT	1.51	5043.70 30-May-01	ļ-0.1	940	620.14	4425.07	618.63			
NRF-MON-A-008	NRF-MA-08	NRF	3.04	4852.33								
NRF-MON-A-009	NRF-MA-09	NP.	2.86	4853.47 30-May-01	r-01							
NRF-MON-A-010	NRF-MA-10	NRF	3.27	4853.10								

Well Name	Well Alias	Area	stickup(ff)	BC Elev	Date	Time	wl(ftpmp)	wl(ftbmp) elev(ftamsl)	wl(bbc)	Comment	Dev corr	Adj wl
NRF-MON-A-011	NRF-MA-11	W.	2.98	4850.73	30-May-01							
NRF-MON-A-012	NRF-MA-12	NRF	3.08	4850.83								
NRF-MON-A-013		NRF	3.20	4843.59	30-May-01							
SITE 01 WATER TABLE	E SITE-01A	OFF-BLR	2.11	5361.81	30-May-01							
PBF-MON-A-001	0		1.92	4906.15	30-May-01	1320	444.59	4463.48	442.67			
PBF-MON-A-003	0		1.85	4959.29	30-May-01	1357	518.21	4442.93	516.36			,,,,,,,,
PBF-MON-A-004			2.72	4939.66	30-May-01	1343	495.87	4446.51	493.15			
PBF-MON-A-005	0	HBF.	1.79	4976.13	30-May-01	1330	510.81	4467.11	509.05			,,,,,,,,
M10S	M10S	RWMC	1.46	5021.62	30-May-01				_	no access		
M1SA	M01S	RWMC	3.13	5011.09	30-May-01	906	586.11	4428.11	582.98			
M3S	MO3SA	RWMC	1.59	5016.16		88	590.36	4427.39	588.77			
M4D	M04D	RWMC	1.93	5022.53	30-May-01	916	596.91	4427.55	594.98			
M6S	MO6S	RWMC	1.88	5065.76		959	641.04	4426.58	639.18			· · · · · · · · · · · · · · · · · · ·
W7S	M07S	RWMC	2.76	5004.85		815	579.48	4428.13	576.72			
SOUTH-MON-A-001	M11	RWMC	1.48	4994.19		1036	566.13	4429.54	564.65			
SOUTH-MON-A-002	M12	RWMC	1.75	4975.28	30-May-01	1014	535.91	4441.12	534.16			
SOUTH-MON-A-003	M13	RWMC	1.79	5026.85		1025	601.36	4427.28	599.57			
SOUTH-MON-A-004	M14	RWMC	2.78	5032.46	30-May-01	88	606.41	4428.83	603.63			
USGS-001	0		1.42	5022.71		1210	591.3	4432.83	589.88			
USGS-083	0	SOUTH	2.15	4941.59	30-May-01	1124	501.31	4442.43	499.16			
USGS-104	0	SOUTH	2.98	4988.65	30-May-01	1108	559.56	4432.07	556.58			
USGS-107	0	SOUTH	-98	4917.50		1140	482.32	4437.13	480.37			
USGS-110	USGS-110A	SOUTH	2.53	4999.97		1225	569.12	4433.38	566.59			
STF-MON-A-01A	STF-MON-01A	STF	1.82	4941.40								
STF-MON-A-02A	STF-MON-02A		2.35	4937.30	30-May-01							
STF-MON-A-003	0		2.05	4937.01								
STF-MON-A-004	0		2.16	4945.37	30-May-01							
TAN-08	0		1.25	4790.37								
TAN-13A		TAN	1.79	4780.57								
TANT-MON-A-004	TAN-MON-A-001	TANT	2.83	4782.11								
TANT-MON-A-005	TAN-MON-A-002		2.70	4784.10								
PW-11			33.	4916.49								
PW-12	0		1.24	4923.71								
PW-13			6.7	4923.82								
TRA-06			96.0	4920.14	31-May-01	1117	471.68	4449.42	470.72			
TRA-07	0	Æ	2.53	4931.56	31-May-01	118	477.73	4456.36	475.20			
TRA-08	0	TRA	1.47	4934.93	31-May-01	138	480.81	4455.59	479.34			,,,,,,,,
USGS-053	0	TRA	1.10	4922.14								
USGS-054	0	TR.	1.28	4920.94								
USGS-055	0		1.58	4919.15								,,,,,,,,
USGS-058	0	TRA	1.82	4918.37								
USGS-065	0	TRA	0.58	4925.01	4925.01 31-May-01	1125	466.91	4458.68	466.33			
USGS-121	0	NTEC	1.82	4909.65	4909.65 29-May-01		455.81	4455.66	453.99		Ϋ.	5 4457
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4455.02 4455.85 6.46 4455.70 4455.81 4455.56 4455.87 4453.11 4455.68 3 Adj -0.73 -2.95 -5.72 5.24 -2.61 -6.46 4.77 4.7 Dev corr wl(ftbmp) elev(ftamsl) wl(bbc) Comment no access no access survey survey 589.21 592.42 602.90 617.47 473.76 487.35 483.68 480.10 -1.07 | 474.22 473.53 473.64 475.26 466.25 450.34 483.57 469.09 465.26 459.28 612.39 618.70 473.32 479.11 482.08 466.83 470.72 474.60 612.54 640.51 489.31 472.91 4444.98 4447.20 4447.13 4452.27 4449.15 4445.10 4446.63 4452.38 4930.26 4455.42 4455.74 4455.54 4456.65 4449.78 4451.00 4453.58 4429.56 4428.29 4455.04 4456.75 4429.21 4425.00 4453.52 4455.67 4449.09 4448.20 4452.61 4450.91 4456.72 4455.69 4455.66 4455.69 4453.24 594.88 619.87 475.38 489.48 481.45 480.53 468.75 468.43 451.92 485.85 472.99 467.56 614.46 613.28 620.21 485.97 475.77 474.86 476.89 471.37 605.57 485.51 490.91 463.61 474.24 476.49 461.81 643.61 1527 1415 1029 1019 1415 1650 955 1039 1010 1305 1343 1326 1315 1300 1459 950 943 933 111 320 1312 86 E S 1135 1250 339 1627 434 <u>e</u> Time 28-Jun-01 28-Jun-01 28-Jun-01 28-Jun-01 28-Jun-01 28-Jun-01 27-Jun-01 27-Jun-01 27-Jun-01 27-Jun-01 28-Jun-01 28-Jun-01 27-Jun-01 28-Jun-01 28-Jun-01 28-Jun-Ö 28-Jun-01 27-Jun-01 27-Jun-01 27-Jun-01 27-Jun-01 27-Jun-01 27-Jun-01 28-Jun-01 28-Jun-0; 28-Jun-01 28-Jun-01 28-Jun-01 28-Jun-01 28-Jun-01 28-Jun-01 28-Jun-01 27-Jun-01 27-Jun-0' 27-Jun-01 27-Jun-01 Date 4940.22 4941.08 5120.99 5046.50 5064.60 4928.36 *1* 4931.72 4932.23 4942.62 4907.10 4916.36 4929.20 *.* 4929.38 *.* 4925.28 5041.60 7 5043.70 4 4852.33 5034.30 4926.03 4929.19 4929.64 4930.95 4918.84 5037.40 5050.10 4936.44 4932.24 4932.48 4929.63 4922.49 4921.79 4906.99 4920.50 4927.84 4920.09 5068.80 5132.80 5120.37 4930.31 4939.26 4916.03 5042.10 4853.10 4904.36 BC Elev Table A-10. Water-level measurements for June 2001 3.29 2.24 2.71 2.46 2.67 2.40 88 88 24 23 1.69 1.75 2.50 8 8 8 3.27 stickup(ft) 29 0 8 82332 ∞ 8 8288 ß 92 3.10 0.89 6 222 ARA CFA SFA SFA CFA CFA CPP СРР СРР СРР СРР CPP ICPP GP P GPP CPP CPP СРР ICPP ARA CFA CFA CPP B CFA CFA CFA ARA ة ة A ANL 뒫 0 ARA-MON-AD03A ANL-MON-AQ-14 ARA-COR-005 LSIT TEST WELL ANL-MON-AQ-13 ANL-MON-A-12 RVVMC-MA-65 RVVMC-MA-66 ANL-MON-A-11 CFA-MON-003 Well Alias CFA-MON-002 CFA-MON-001 NRF-MA-08 NRF-MA-09 NRF-MA-10 CPP-MA-21 CPP-MA-22 ARA-002 ARA-001 A11A31 RWMC-MON-A-013 RWMC-MON-A-065 RWMC-MON-A-066 RWMC-PRO-A-064 ARA-MON-A-003 ARA-MON-A-004 Well Name ICPP-MON-A-022 ANL-MON-A-012 ANL-MON-A-013 ARA-MON-A-002 CPP-MON-A-021 NRF-MON-A-008 NRF-MON-A-009 NRF-MON-A-010 ANL-0BS-A-014 ARA-COR-A-005 CFA-MON-A-001 CFA-MON-A-002 CFA-MON-A-003 ARA-MON-A-001 USGS-112 USGS-113 USGS-036 USGS-037 JS6S-039 USGS-115 JS6S-038 **JSGS-085** USGS-116 JSGS-020 JSGS-034 JSGS-035 **NSGS-067** JSGS-077 JSGS-082 JSGS-111 JSGS-114 SITE-09 LF2-08 LF2-09 LF3-10 LF2-10 LF2-11 LF3-08 F3-09

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Table

A-011         NRF-MA-11         NRF         2.96           A-012         NRF-MA-12         NRF         3.08           A-013         NRF-MA-12         NRF         3.08           A-013         NRF-MA-13         NRF         3.08           A-013         NRF-MA-13         NRF         3.08           A-014         O PBF         1.92           A-014         O PBF         1.85           A-014         O PBF         1.73           A-014         M10S         RWMC         1.76           A-015         M10S         RWMC         1.78           A-016         M11         RWMC         1.78           DN-A-004         M12         RWMC         1.78           DN-A-004         M13         RWMC         1.78           DN-A-004         M13         RWMC         1.78           DN-A-004         M13         RWMC         1.78           DN-A-004         M13         RWMC         1.78           A-01A         M14         RWMC         1.79           A-02A         M14         1.82           A-03         M14         STF         2.16           A-004         STF-MON-0	NRF 2.96  NRF 3.08  NRF 3.08  NRF 3.20  O PBF 1.92  O PBF 1.79  RWMC 1.48  RWMC 1.69  RWMC 1.79  O SOUTH 1.26  SOUTH 1.26  SOUTH 1.26  SOUTH 1.26  O SOUTH 1.29	• · · · · · · · · · · · · · · · · · · ·	935 935 910 1110 1025 1045 835 835 835 845 845	590.22 590.22 590.22 590.22 590.22 590.22 590.22 590.22 590.22 590.22 590.22 590.22 590.22 590.22 590.22 590.22 590.22 590.22	444.55 4463.52 518.32 4442.82 496.07 4446.31 510.87 4467.05 686.97 4427.25 690.22 4427.25 690.77 4427.63 556.01 4429.66 535.76 4441.27 601.22 4427.42 606.31 4428.93 690.46 4433.67 669.42 4432.21	442.63 516.47 493.35 509.08 688.63 594.84 639.00 576.60 576.60 576.40 599.43 603.53 603.53 599.43		
DN-A-012         NRF-MA-12         NRF         3.08         4850.83           NN-A-013         NRF-MA-13         NRF         3.20         4843.69           NA-A-003         NRF-MA-13         NRF         3.20         4843.69           NN-A-003         PR         1.21         5.06.15           DN-A-004         PRF         1.72         4908.15           DN-A-004         PRF         1.72         4908.15           DN-A-004         M10S         RWMC         1.46         5021.62           DN-A-005         M10S         RWMC         1.79         4976.13           M01         M01S         RWMC         1.79         4976.13           M01         M10S         RWMC         1.79         4976.13           M01         M10S         RWMC         1.79         4976.28           M01         RWMC         1.79         4976.28           M01         RWMC         1.79         4976.28           M01         RWMC         1.79         4976.29           M01         RWMC         1.70         4977.30           M01         M13         RWMC         1.70         4971.60           M01         M10	NRF 3.08  NRF 3.20  OFF-BLR 2.11  OPBF 1.92  OPBF 1.85  OPBF 1.85  OPBF 1.85  NWMC 1.46  RWMC 1.93  RWMC 1.93  RWMC 1.79  RWMC 1.79  RWMC 1.79  RWMC 1.79  RWMC 1.79  RWMC 1.79  OSUUTH 2.16  OSUUTH 1.96  OSUUTH 2.16  OSUUTH 1.96  OSUUTH 2.16  OSUUTH 1.96  OSUUTH 2.16  OSUUTH 1.96  OSUUTH 1.79  OSUUTH 1.79		848 1051 935 910 814 800 1105 1065 1045 835 835 835 835 835 835 835 835 835 83	444.56 518.32 496.07 510.87 590.22 596.77 690.22 596.01 579.36 601.22 601.12 559.45	4463.52 4446.31 4446.31 446.31 4427.25 4427.69 4427.69 4428.99 4438.67 443.67 443.67	442.63 516.47 493.35 509.08 588.63 588.63 588.63 589.00 576.60 576.60 576.60 589.04 589.04 589.04 589.04 589.04 589.04		
DN-A-013         NRF-MA-13         NRF         3.20         4843.59           WATER TABLE SITE-01A         OFF-BLR         2.11         536.181           DN-A-001         PBF         1.92         4906.15           DN-A-003         M 105         PBF         1.82         4950.29           DN-A-004         DN-A-004         D PBF         1.72         4936.15           DN-A-004         M 105         RWMC         1.46         5021.62           M 2004         M 105         RWMC         1.75         4976.13           M 105         M 107         RWMC         1.75         4976.13           M 100         M 100         RWMC         1.75         4976.13           M 100         M 100         RWMC         1.75         4976.13           M 100         M 100         RWMC         1.75         4976.23           M 100         M 100         RWMC         1.75         4976.24           M 100         M 100         RWMC         1.75         4976.27           M 100         M 100         RWMC         1.75         4971.50           M 100         M 100         RWMC         1.75         4971.50           M 100         <	NRF 3.20  OFF-BLR 2.11  OPBF 1.92  OPBF 1.86  OPBF 2.72  OPBF 1.86  RWMC 1.46  RWMC 1.93  RWMC 1.93  RWMC 1.93  RWMC 1.79  RWMC 1.79  RWMC 1.26  OSUUTH 1.26  OSUUTH 2.16  OSUUTH 1.26		848 1061 935 910 910 1110 800 1025 1045 1045 836 836 836 836 837 838 838 838 838 838 838 838 838 838	444.56 518.32 496.07 510.87 590.22 596.77 640.86 579.36 579.36 579.36 579.36 579.36 579.36 579.36 579.36 579.36 579.36	4463.52 4446.31 4446.31 4427.25 4427.25 4427.69 4427.42 4428.93 4438.67 443.67 443.67	516.47 493.35 509.08 588.63 594.84 639.00 576.60 57		
WATER TABLE         SIFE-01A         OFF-BLR         2.11         536.181           DN-A-001         PBF         1.92         4906.15           DN-A-003         DN-A-003         0         PBF         1.92         4906.15           DN-A-003         M10S         PBF         1.79         4976.13           DN-A-004         M10S         RWMC         1.48         4976.13           DN-A-005         M10S         RWMC         1.79         4976.13           M01S         RWMC         1.79         4976.16           M01S         RWMC         1.98         5016.16           M01S         RWMC         1.98         5016.16           M01S         RWMC         1.98         5016.16           M01S         RWMC         1.75         4976.28           M01A         RWMC         1.75         4976.28           M01A         RWMC         1.75         4971.50           M01A         RWMC         1.75         4971.40           M01A         RWMC         1.75         4991.75           M01A         RWMC         1.75         4991.75           M01A         SOUTH         1.27         4991.15	0 PBF 1.92 0 PBF 1.92 0 PBF 1.92 0 PBF 1.86 0 PBF 2.72 0 PBF 1.79 0 RWMC 1.93 0 RWMC 1.93 0 RWMC 1.79 0 RWMC 1.79 0 RWMC 1.79 0 RWMC 1.79 0 SOUTH 1.26 0 SOUTH 2.96 0 STF 2.96 0 TAN 1.26		848 935 910 1110 800 1025 1045 836 836 836 836 836 836 836 836 837 838 838 838 838 838 838 838 838 838	444.55 518.32 496.07 510.87 590.22 590.22 590.22 590.22 590.22 590.22 590.25 590.46 500.12 500.46	4463.52 4446.31 4446.31 4427.25 4427.63 4427.63 4427.42 4438.67 4438.67 4438.67 4438.67 4438.67	564.53 599.43 599.43 599.43 699.43 699.43 699.43 699.43 699.44 699.74 699.74 699.74		
DN-A-001         DRF         1.92         4906.15           DN-A-003         0         PBF         1.85         495.29           DN-A-003         0         PBF         1.72         493.65           DN-A-004         0         PBF         2.72         493.65           DN-A-005         M10S         RVMC         1.46         6021.62           DN-A-005         M03SA         RVMC         1.59         4076.13           M01         M03SA         RVMC         1.93         501.10           M01         M03SA         RVMC         1.93         501.10           M01         M03SA         RVMC         1.95         501.10           M01         M1         RVMC         1.75         4975.28           M01         M1         RVMC         1.75         4991.57           M03         M1         RVMC         1.75         4991.57           M1         STA         1.79         4991.57	0 PBF 1.92 0 PBF 1.86 0 PBF 2.72 0 PBF 2.72 0 PBF 1.79 RWMC 1.93 RWMC 1.93 RWMC 1.93 RWMC 1.93 RWMC 1.79 RWMC 1.79 RWMC 2.78 0 SOUTH 2.16 0 SOUTH 2.98		848 935 936 910 1110 800 1025 1045 836 836 836 836 836 836 836 837 838 838 838 838 838 838 838 838 838	444.55 518.32 496.07 590.22 590.22 590.22 590.22 590.22 590.22 590.22 590.25 590.36 590.31 590.46 590.31 590.46	4463.52 4446.31 4467.05 4427.25 4427.63 4427.63 4427.42 4438.67 4438.67 4438.67 4438.67 4438.67	442.63 516.47 493.35 509.08 588.63 588.63 594.84 639.00 576.60 57		
DN-A-003         O         PBF         1.88         4959.29           DN-A-004         O         PBF         2.72         4930.66           DN-A-005         M105         RVMC         1.46         9976.13           DN-A-005         M01S         RVMC         1.46         9076.13           M01S         RVMC         1.69         5011.09           M04D         RVMC         1.69         5016.16           M0N-A-001         M11         RVMC         1.76         4976.28           MON-A-002         M12         RVMC         1.76         4976.28           MON-A-003         M13         RVMC         1.75         4976.28           MON-A-003         M13         RVMC         1.75         4976.28           MON-A-003         M13         RVMC         1.75         4976.28           MON-A-004         M13         RVMC         1.76         4976.53           MON-A-004         M13         RVMC         1.76         4971.50           MON-A-004         M13         RVMC         1.76         4971.50           MON-A-004         M14         STF         1.26         4991.50           MA-A-02A         STF         <	0 PBF 1.85 0 PBF 2.72 0 PBF 2.72 0 RWMC 1.46 RWMC 1.93 RWMC 1.86 RWMC 2.76 RWMC 2.78 RWMC 2.78 RWMC 2.78 0 SOUTH 2.98		935 936 910 1110 800 1025 1045 1045 836 836 836 837 707	518.32 496.07 510.87 590.22 596.77 690.22 559.36 579.36 579.36 579.36 590.48 590.48	4442.82 4446.31 4427.25 4427.63 4427.63 4428.25 4428.93 4438.67 4438.67 4438.67 4438.67	516.47 493.35 509.08 588.63 589.00 576.60 576.60 576.60 576.60 576.60 576.43 603.53 603.53 603.53 603.63 698.04		
DN-A-004         0         PBF         2.72         4930.66           DN-A-005         M10S         RWMC         1.79         4976.13           DN-A-005         M10S         RWMC         1.46         6021.62           M01S         RWMC         1.59         5016.16           M04D         RWMC         1.86         506.75           M07S         RWMC         1.78         4976.13           M0N-A-001         M11         RWMC         1.78         4976.28           MON-A-002         M12         RWMC         1.78         4941.89           MON-A-003         M13         RWMC         1.78         4941.89           MON-A-003         M13         RWMC         1.78         4941.89           MON-A-004         M14         RWMC         1.78         4941.59           MON-A-003         M13         RWMC         1.78         4941.59           MON-A-004         M14         RWMC         1.78         4941.50           MON-A-004         M14         STF         2.56         4941.40           MA-A-004         STF-MON-024         STF         2.56         4941.40           MA-A-004         TAN         1.24	0 PBF 2.72 0 PBF 1.79 RWMC 1.46 RWMC 1.93 RWMC 1.93 RWMC 2.76 RWMC 2.76 RWMC 2.76 RWMC 2.76 RWMC 2.76 COUTH 2.96 0 SOUTH 2.96 0 STF 2.96 0 TAN 1.79		935 910 844 814 905 1025 1045 1045 836 836 836 877 707	496.07 590.22 690.22 690.22 690.22 690.23 690.23 690.31 690.31 690.46	4446.31 4467.05 4427.53 4427.63 4426.76 4428.25 4428.93 4438.67 443.67 443.67	493.35 509.08 588.63 594.84 676.60 57		
DNA-006         PBF         1.79         4976.13           DNA-006         M10S         RVMC         1.46         6021.62           M01SA         RVMC         1.69         6016.16           M04D         RVMC         1.89         6016.16           M0AD         RVMC         1.86         602.63           MON-A-001         M11         RVMC         1.76         4974.19           MON-A-002         M12         RVMC         1.78         4974.19           MON-A-003         M13         RVMC         1.78         4974.19           MON-A-003         M13         RVMC         1.78         4975.28           MON-A-003         M13         RVMC         1.78         4971.50           MON-A-004         M14         RVMC         1.78         4971.50           MON-A-003         M13         RVMC         1.78         4991.75           MON-A-004         M14         RVMC         1.78         4991.75           MO-A-004         M14         SOUTH         1.96         4917.50           MA-A-004         STF         2.36         4937.01           MA-A-004         STF         2.76         4945.73	PBF   1.79   RWMC   1.46   RWMC   1.46   RWMC   1.69   RWMC   1.79   RWMC   1.70   R		910 864 814 905 1110 800 1045 1045 836 836 836 707	510.87 590.22 590.22 590.22 579.36 579.36 579.36 535.76 601.22 601.12 590.46	4467.05 4427.53 4427.63 4426.76 4428.25 4427.42 4438.67 4442.62 4432.21	509.08 583.84 584.84 639.00 576.60 57		
M10S         RWMC         1.46         5021.62           M01S         RWMC         3.13         5011.09           M03SA         RWMC         1.69         5016.16           M04D         RWMC         1.69         5016.16           M04D         RWMC         1.69         5016.16           M01S         RWMC         1.78         5026.35           M01A-001         M11         RWMC         1.76         5004.85           M01A-002         M12         RWMC         1.78         5004.85           M01A-003         M13         RWMC         1.78         4094.19           M01A-004         M14         RWMC         1.78         4094.19           M01A-003         M13         RWMC         1.78         4094.19           M01A-004         M14         RWMC         1.78         4094.19           M01A-004         M14         RWMC         1.79         4091.37           M04-004         M14         RWMC         1.79         4991.75           M04-004         M14         RWMC         1.79         4991.75           M10-004         M14         M15         491.75           M10-004         TRA	RWMC 1.46  RWMC 1.69  RWMC 1.69  RWMC 1.75  RWMC 1.75  RWMC 1.75  RWMC 1.75  RWMC 2.76  RWMC 2.76  RWMC 2.76  O SOUTH 1.42  O SOUTH 2.98  O SOUTH 1.26  O SOUTH 1.26  O STF 2.96  O STF 2.66  O TAN 1.79		854 814 814 905 1025 1026 1045 836 836 837 707	586.97 590.22 596.77 640.86 579.36 556.01 556.01 500.48 590.48	4427.25 4427.63 4427.63 4426.76 4428.25 4421.27 4431.67 4431.67 4431.67	583.84 588.63 594.84 676.60 576.60 576.60 576.43 603.53 603.53 689.04 589.04 589.04		
MOIS         RWMC         3.13         5011.09           MO3SA         RWMC         1.59         5016.16           MO4D         RWMC         1.93         5025.53           MON-A-001         M11         RWMC         1.93         5025.53           MON-A-002         M12         RWMC         1.76         4975.28           MON-A-003         M13         RWMC         1.75         4975.28           MON-A-004         M13         RWMC         1.75         4975.28           MON-A-003         M13         RWMC         1.75         4975.28           MON-A-004         M14         RWMC         1.75         4975.28           MON-A-003         M13         RWMC         1.75         4947.50           MON-A-004         M14         RWMC         1.75         4947.50           MON-A-004         M14         RWMC         1.75         4947.50           MO-A-005         STF         SOUTH         1.26         4917.50           MO-A-004         STF-MON-Q2A         STF         2.06         4937.01           MO-A-005         TAN-MON-A-004         TAN         1.79         4778.11           MON-A-005         TAN-MON-A-005	RWMC 1.59  RWMC 1.69  RWMC 1.69  RWMC 2.76  RWMC 2.76  RWMC 2.78  RWMC 2.78  0 SOUTH 2.98  0 STF 2.98  0 TAN 1.79		854 814 817 1025 1026 1046 1046 836 836 837 707	586.97 590.22 596.77 640.86 573.36 566.01 535.76 600.31 590.46	4427.25 4427.63 4427.63 4428.25 4421.27 4428.93 4432.21	583.84 588.63 594.84 676.60 576.60 576.60 576.60 576.60 603.53 603.53 603.53 589.04 589.04 589.04		
M03SA         RVAMC         1.59         5016.16           M04D         RVAMC         1.93         5026.53           M04D         RVAMC         1.93         5022.63           M0N-A-001         M11         RVAMC         1.86         5004.85           MON-A-002         M12         RVAMC         1.75         4975.28           MON-A-003         M13         RVAMC         1.75         4975.28           MON-A-003         M13         RVAMC         1.75         4975.28           MON-A-003         M13         RVAMC         1.75         4975.28           MON-A-004         M14         RVAMC         1.75         4975.28           MON-A-003         M13         RVAMC         1.75         4947.50           MON-A-004         M14         RVAMC         1.75         4947.50           MON-A-004         M14         RVAMC         1.75         4947.50           MON-A-004         M14         RVAMC         1.75         4947.50           MO-A-005         SOUTH         1.26         4917.40           MO-A-004         STF-MON-DAO         TRA         1.79         4778.11           MON-A-005         TRA         1.24	RVMC 1.59  RVMC 1.93  RVMC 2.76  RVMC 2.76  RVMC 1.79  RVMC 2.78  0 SOUTH 2.15  0 SOUTH 2.98  0 STF 2.98  0 TAN 1.79		905 1110 800 1025 1045 1045 835 835 817 707	690.22 696.77 640.86 579.36 566.01 535.76 600.31 600.31 590.46	4427.63 4426.76 4428.25 4428.26 4441.27 4427.42 443.67 443.67 443.67			
M04D         RWMC         1.93         5022.53           M06S         RWMC         1.86         5062.63           MON-A-001         M11         RWMC         2.76         5004.85           MON-A-002         M12         RWMC         1.75         4975.28           MON-A-003         M13         RWMC         1.79         5026.85           MON-A-004         M14         RWMC         2.76         5020.45           MON-A-003         M13         RWMC         2.78         4941.59           MON-A-004         M14         RWMC         2.76         4941.59           MON-A-004         M14         RWMC         2.76         4941.59           MON-A-004         M14         RWMC         2.76         4941.50           MON-A-004         M14         STF         2.16         4941.60           MO-A-005         STF         2.53         4991.75           MA-A-004         STF-MON-02A         STF         2.26         4957.71           MA-A-005         STF-MON-02A         STF         2.26         4970.37           A         A         A         A         A         A           A         A         A	RWMC 1.93  RWMC 2.76  RWMC 2.78  RWMC 1.79  RWMC 1.79  RWMC 2.78  0 SOUTH 1.42  0 SOUTH 2.98  0 SOUTH 1.96  0 SOUTH 1.96  0 SOUTH 1.96  0 SOUTH 1.96  0 TAN 1.25		906 1110 800 1025 1045 1046 836 836 817 707	596.77 640.86 579.36 535.76 601.22 606.31 590.46 501.12	442.62 442.6.76 442.8.25 442.9.66 4441.27 442.8.93 443.67 443.67 443.21			
MOGS         RVMC         1.86         5066.76           MOTS         RVMC         2.76         5004.85           MON-A-001         M11         RVMC         2.76         5004.85           MON-A-002         M12         RVMC         1.75         4975.28           MON-A-003         M13         RVMC         1.79         5026.85           MON-A-004         M14         RVMC         2.76         5020.74           101         SOUTH         1.42         5022.71           104         SOUTH         2.15         4941.59           107         SOUTH         2.16         4941.50           107         STF-MON-02A         STF         2.26         4937.30           108         STF-MON-02A         STF         2.36         4945.37           10A-A-003         STF         2.53         4945.37           10N-A-004         STF         2.16         4945.37           10N-A-004         TAN         1.79         4784.10           10N-A-005         TAN         1.26         4916.49           10N-A-005         TAN         1.26         4916.49           10N-A-005         TAN-MON-A-005         TAN         1.26 </td <td>RWMC 2.76 RWMC 2.78 RWMC 1.73 RWMC 1.73 RWMC 2.78 0 SOUTH 2.15 0 SOUTH 2.98 0 SOUTH 2.98 0 SOUTH 2.98 0 SOUTH 2.63 0 TAN 1.25</td> <td></td> <td>1110 800 1025 1066 1045 836 836 817 707</td> <td>640.86 579.36 586.01 535.76 601.22 606.31 590.46 501.12</td> <td>4428.75 4429.86 4441.27 4427.42 4428.93 4428.93 4433.67 4432.21</td> <td></td> <td></td> <td></td>	RWMC 2.76 RWMC 2.78 RWMC 1.73 RWMC 1.73 RWMC 2.78 0 SOUTH 2.15 0 SOUTH 2.98 0 SOUTH 2.98 0 SOUTH 2.98 0 SOUTH 2.63 0 TAN 1.25		1110 800 1025 1066 1045 836 836 817 707	640.86 579.36 586.01 535.76 601.22 606.31 590.46 501.12	4428.75 4429.86 4441.27 4427.42 4428.93 4428.93 4433.67 4432.21			
MOTS         RWMC         2.76         5004.85           MON-A-001         M11         RWMC         1.75         4975.28           MON-A-002         M12         RWMC         1.75         4975.28           MON-A-002         M13         RWMC         1.79         5026.85           MON-A-003         M14         RWMC         2.78         5020.85           MON-A-004         M14         RWMC         2.78         5020.74           101         SOUTH         1.42         5022.71         5020.71           104         SCOUTH         2.16         4941.59           107         SOUTH         2.16         4941.59           107         STF-MON-02A         STF         2.53         4991.75           107         STF-MON-02A         STF         2.53         4991.75           108         STF         2.56         4957.71           10N-A-003         STF         2.16         4945.37           10N-A-004         TAN         1.79         4784.10           10N-A-005         TAN         1.24         4784.10           10N-A-005         TAN         1.24         4923.71           10N-A-005         TAN	RWMC 2.76 RWMC 1.75 RWMC 1.75 RWMC 1.79 SOUTH 2.16 0 SOUTH 2.98 0 SOUTH 2.98 0 SOUTH 2.98 0 SOUTH 2.98 0 SOUTH 2.63 0 SOUTH 2.53 0 SOUTH 2.63 0 SOUTH 2.63 0 SOUTH 2.63 0 STF 2.63 0 TAN 1.25		800 1026 1066 1046 836 836 707 707	579.36 535.76 601.22 606.31 590.46 591.12	4428.26 4441.27 4427.42 4427.42 4433.67 4442.62			
MON-A-001         M11         RVMC         1.48         4994.19           MON-A-002         M12         RVMC         1.75         4975.28           MON-A-002         M13         RVMC         1.79         5026.85           MON-A-003         M14         RVMC         2.78         5026.85           MON-A-004         M14         RVMC         2.78         502.74           101         SOUTH         2.15         4941.59           104         SOUTH         2.15         4941.59           107         USGS-110A         SOUTH         2.16         4941.50           107         USGS-110A         STF         2.98         4981.65           107         USGS-110A         STF         2.53         4991.75           107         STF         2.53         4991.75           108         STF         2.56         4957.71           108         STF         2.56         4957.71           100-A-003         STF         2.76         4784.10           100-A-004         TAN         1.79         4784.10           100-A-005         TAN         1.24         4918.15           100-A-005         TAN         1.2	RWMC 1.78  RWMC 1.79  RWMC 2.78  SOUTH 2.16  SOUTH 2.98  SOUTH 2.83  SOUTH 2.83  STF 2.86  STF 2.06  TAN 1.25		1025 1045 1045 836 611 772 707	566.01 535.76 601.22 606.31 590.46 569.42	4429.66 4441.27 4428.93 4443.67 4442.62			
MON-A-002         M12         RWMC         1.75         4975.28           MON-A-003         M13         RWMC         1.79         5026.85           MON-A-003         M14         RWMC         2.78         5026.85           MON-A-004         M14         RWMC         2.78         5020.45           101         SOUTH         2.15         4941.59           104         SCOUTH         2.15         4941.69           107         USGS-110A         STF         2.98         4988.65           107         USGS-110A         STF         2.98         4981.65           107         USGS-110A         STF         2.53         4991.75           107         STF         2.53         4991.75           108         STF         2.53         4991.75           108         STF         2.16         4945.37           109         TAN         1.79         4784.10           100         TAN         1.79         4784.10           100         TAN         1.24         4918.15           100         TRA         1.79         4918.15           100         TAN         1.79         4784.10	RWMC 1.75  RWMC 2.78  SOUTH 1.42  SOUTH 2.15  SOUTH 2.88  SOUTH 2.83  SOUTH 2.63  SOUTH 2.63  STF 2.65  O STF 2.06  O TAN 1.25		1045 1045 835 611 773 707 645	535.76 601.22 606.31 590.46 559.45	4441.27 4427.42 4428.93 4443.67 4442.62 4442.62	534.01 599.43 603.53 589.04 498.97 556.44		
MON-A-003         M13         RWMC         1.79         5026.85           MON-A-004         M14         RWMC         2.78         502.68           MON-A-004         M14         RWMC         2.78         503.46           101         SOUTH         1.42         5022.71           104         SOUTH         2.15         4941.59           107         USGS-110A         SOUTH         2.98         4981.65           107         USGS-110A         STF         2.98         4981.65           107         USGS-110A         STF         2.53         4991.75           107         STF-MON-02A         STF         2.53         4991.75           10A-A-003         STF         2.56         4957.71           10A-A-004         STF         2.16         4945.37           A         A         1.79         4780.57           A         INA-004         INA         1.79         4784.10           ION-A-004         TAN         1.75         4784.10           ION-A-005         TAN         1.24         4923.71           ION-A-005         TAN         1.24         4923.74           ION-A-005         TRA	RWMC 1.79  RWMC 2.78  SOUTH 1.42  SOUTH 2.16  SOUTH 2.83  SOUTH 2.83  STF 2.86  STF 2.06  STF 2.06  TAN 1.25		1045 835 611 723 707 645	606.31 590.46 501.12 559.42	4427.42 4428.93 4433.67 4442.62 4432.21	599.43 603.53 589.04 498.97 556.44		
MON-A-004         M14         RWMC         2.78         5032.46           101         SOUTH         1.42         5022.71           103         SOUTH         2.15         4941.59           104         SOUTH         2.98         4988.65           107         USGS-110A         STF         1.95         491.50           107         USGS-110A         STF         1.95         491.75           10         USGS-110A         STF         1.82         4991.75           10         USGS-110A         STF         1.82         4941.40           10         STF-MON-02A         STF         1.82         4941.40           10         STF-MON-02A         STF         2.36         4957.71           10         A-A003         STF         2.05         4957.71           10         A-A004         TAN         1.75         4780.57           10         A-A005         TAN         1.75         4784.10           10         A-A005         TAN         1.75         4916.49           10         A-A005         TAN         1.24         4923.71           10         A-A005         TAN         1.75         491.15<	SOUTH   1.42   1.43		611 707 645	606.31 590.46 501.12 559.42	4428.93 4433.67 4442.62 4432.21	603.53 589.04 498.97 556.44		
01         SOUTH         1.42         502.7.1           183         SOUTH         2.15         4941.59           104         SOUTH         2.98         498.65           107         USGS.110A         SOUTH         2.98         498.65           10         USGS.110A         STF         1.95         4917.50           10         USGS.110A         STF         2.53         4999.97           3N-A-003         STF-MON-02A         STF         2.36         4937.30           3N-A-003         STF         2.16         4945.37           3N-A-004         STF-MON-02A         STF         2.06         4937.01           3N-A-003         STF         2.16         4945.37           A         A         A         A         A           A         B         A         A         A         A           A         A         B         A         A         A         A           A         A         B         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A<	0 SOUTH 1.42 0 SOUTH 2.15 0 SOUTH 2.98 0 SOUTH 2.53 STF 2.35 0 STF 2.05 0 TAN 1.25 0 TAN 1.79		611 723 707 645	590.46 501.12 559.42	4433.67 4442.62 4432.21	589.04 498.97 556.44		
BB3         O SOUTH         2.15         4941.59           104         SOUTH         2.98         498.65           107         USGS-110A         SOUTH         1.95         491.50           10         USGS-110A         STF         1.95         491.750           10         USGS-110A         STF         1.82         4991.750           NN-A-02A         STF         2.35         4937.30           NN-A-003         STF         2.06         4937.31           NN-A-004         STF         2.05         4937.31           NN-A-004         STF         2.06         4937.31           NN-A-004         TAN-MON-A-001         TAN         1.75         4780.57           NON-A-005         TAN-MON-A-002         TAN         1.75         4781.10           NON-A-005         TAN-MON-A-002         TRA         1.56         4916.49           NON-A-005         TRA         1.79         4923.71           NON-A-005         TRA         1.79         4923.49           NON-A-005         TRA         1.79         4921.49           NON-A-005         TRA         1.77         4934.93           NON-A-005         TRA         1.77 <td>0 SOUTH 2.15 0 SOUTH 1.96 0 SOUTH 1.96 SOUTH 2.53 STF 2.36 0 STF 2.06 0 TAN 1.25 0 TAN 1.79</td> <td></td> <td>723</td> <td>501.12</td> <td>4442.62 4432.21</td> <td>498.97 556.44</td> <td></td> <td></td>	0 SOUTH 2.15 0 SOUTH 1.96 0 SOUTH 1.96 SOUTH 2.53 STF 2.36 0 STF 2.06 0 TAN 1.25 0 TAN 1.79		723	501.12	4442.62 4432.21	498.97 556.44		
04         SOUTH         2.98         4988.65           107         USGS-110A         SOUTH         1.95         4917.50           10         USGS-110A         STF         1.95         4917.50           NN-A-02A         STF         1.82         4941.40           NN-A-003         STF         2.35         4937.31           NN-A-004         STF         2.05         4937.01           NN-A-004         STF         2.16         4945.37           NN-A-004         TAN-MON-A-001         TAN         1.25         4780.37           A         TAN-MON-A-002         TAN         1.79         4780.57           ION-A-005         TAN-MON-A-002         TAN         1.79         4781.10           ION-A-005         TAN-MON-A-002         TRA         1.55         4916.49           ION-A-005         TRA         1.56         4913.15           ION-A-005         TRA         1.79         4923.71           ION-A-005         TRA         1.79         4923.49           ION-A-005         TRA         1.77         4934.93           ION-A-005         TRA         1.77         4934.93           ION-A-005         TRA         1.	0 SOUTH 2.98 0 SOUTH 1.96 0 SOUTH 2.53 0 STF 2.36 0 STF 2.06 0 TAN 1.25 0 TAN 1.79		707 645	559.42	4432.21	556.44		
IOT         ONGESTIDA         SOUTH         1.95         4917.50           110         USGS-110A         STF         2.53         4991.75           DN-A-01A         STF         1.82         4941.40           DN-A-02A         STF         2.35         4937.30           DN-A-003         0         STF         2.05         4937.31           DN-A-004         0         STF         2.05         4937.31           DN-A-004         0         TAN         1.25         4780.37           A         0         TAN         1.25         4780.37           A         0         TAN         1.79         4780.57           ION-A-005         TAN         1.79         4780.57           ION-A-005         TAN         1.79         4781.10           ION-A-005         TAN         1.79         4781.10           ION-A-005         TRA         1.55         4916.49           ION-A-005         TRA         1.79         4923.71           ION-A-005         TRA         1.79         4923.49           IOS         1.79         4934.93           IOS         1.70         4932.94           IOS	0 SOUTH 1.96 SOUTH 2.53 STF 2.36 0 STF 2.06 0 TAN 1.79 0 TAN 1.79	i	<del>2</del> 6					
10         USGS-110A         SOUTH         2.53         4999.97           DN-A-01A         STF-MON-01A         STF         1.82         4991.40           DN-A-02A         STF         2.35         4937.30           DN-A-003         O         STF         2.05         4937.30           DN-A-004         O         STF         2.16         4945.37           A         O         TAN         1.25         4780.37           A         O         TAN         1.25         4780.37           ION-A-004         TAN-MON-A-001         TAN         1.79         4780.57           ION-A-005         TAN-MON-A-002         TAN         1.79         4784.10           ION-A-005         TAN-MON-A-002         TRA         1.55         4916.49           ION-A-005         TRA         1.56         4913.15           ION-A-005         TRA         1.79         4923.71           ION-A-005         TRA         1.79         4923.14           ION-A-005         TRA         1.77         4934.93           ION-A-005         TRA         1.77         4934.93           ION-A-005         TRA         1.77         4934.93 <td< td=""><td>SOUTH 2.53 STF 1.82 STF 2.36 0 STF 2.16 0 TAN 1.25 0 TAN 1.79</td><td>L</td><td></td><td>482.32</td><td>4437.13</td><td>480.37</td><td></td><td></td></td<>	SOUTH 2.53 STF 1.82 STF 2.36 0 STF 2.16 0 TAN 1.25 0 TAN 1.79	L		482.32	4437.13	480.37		
DN-A-01A         STF         1.82         4941.40           DN-A-02A         STF         2.35         4937.30           DN-A-003         DN-A-003         0         STF         2.05         4937.30           DN-A-004         DN-A-004         0         STF         2.16         4945.37           A         0         TAN         1.25         4790.37           A         0         TAN         1.79         4780.57           ION-A-004         TAN-MON-A-002         TANT         2.83         4782.11           ION-A-005         TAN-MON-A-002         TRA         1.56         4916.49           ION-A-005         TRA         1.56         4916.49           ION-A-005         TRA         1.79         4923.71           ION-A-005         TRA         1.79         4923.82           ION-A-005         TRA         1.79         4923.49           ION-A-005         TRA         1.79         4923.49           ION-A-005         TRA         1.77         4934.93           ION-A-005         TRA         1.78         4920.94           ION-A-005         TRA         1.10         4920.44           ION-A-005         T	STF 1.82 STF 2.36 0 STF 2.16 0 TAN 1.25 0 TAN 1.79		523	467.92	4534.58	465.39		
DN-A-02A         STF         2.35         4937.30           DN-A-003         0         STF         2.05         4937.01           DN-A-003         0         STF         2.05         4937.01           DN-A-004         0         TAN         1.25         4790.37           A         0         TAN         1.25         4780.57           ION-A-005         TAN-MON-A-001         TANT         2.83         4782.11           ION-A-005         TAN-MON-A-002         TAN         1.56         4916.49           ION-A-005         TAN-MON-A-002         TRA         1.56         4919.16           ION-A-005         TRA         1.24         4923.71           ION-A-005         TRA         1.79         4923.71           ION-A-005         TRA         1.79         4923.82           ION-A-005         TRA         1.79         4923.49           ION-A-005         TRA         1.77         4934.93           ION-A-005         TRA         1.77         4934.93           ION-A-005         TRA         1.78         4920.94           ION-A-005         TRA         1.78         4920.94           ION-A-005         TRA	STF 2.36 0 STF 2.06 0 TAN 1.25 0 TAN 1.79		1133	503.16	4440.06	501.34		
NN-A-003         OTF         2.05         4937.01           NN-A-004         OTAN         2.16         4945.37           A         OTAN         1.25         4790.37           A         OTAN         1.25         4780.57           ION-A-004         TAN-MON-A-001         TANT         2.83         4782.11           ION-A-005         TAN-MON-A-002         TANT         2.70         4784.10           ION-A-005         TAN-MON-A-002         TRA         1.56         4916.49           ION-A-005         TRA         1.24         4923.71           ION-A-005         TRA         1.79         4923.71           ION-A-005         TRA         1.79         4923.71           ION-A-005         TRA         1.79         4923.82           ION-A-005         TRA         1.79         4923.14           ION-A-005         TRA         1.79         4934.93           ION-A-005         TRA         1.10         4920.14           ION-A-005         TRA         1.10         4920.14           ION-A-005         TRA         1.28         4919.15           ION-A-005         TRA         1.58         4919.15	0 STF 2.06 0 STF 2.16 0 TAN 1.25 0 TAN 1.79		1123	494.05	4445.60	491.70		
NN-A-004         O STF         2.16         4945.37           A         0 TAN         1.25         4790.37           A         0 TAN         1.25         4790.37           ION-A-004         TAN-MON-A-001         TANT         2.83         4782.11           ION-A-005         TAN-MON-A-002         TANT         2.70         4784.10           ION-A-005         TAN         1.56         4916.49           ION-A-006         TRA         1.24         4923.71           ION-A-006         TRA         1.79         4923.71           ION-A-006         TRA         1.79         4923.71           ION-A-006         TRA         1.79         4923.71           ION-A-006         TRA         1.79         4923.14           ION-A-006         TRA         1.79         4934.93           ION-A-006         TRA         1.10         4920.14           ION-A-006         TRA         1.28         4920.94           ION-A-006         TRA         1.58         4919.15	0 STF 2.16 0 TAN 1.25 0 TAN 1.79 01 TANT 2.83	Ş	1141	500.71	4438.35	498.66		
A 1.25 A 1.26 ION-A-004 TAN-MON-A-001 TANT 2.83 ION-A-005 TAN-MON-A-002 TANT 2.83 ION-A-006 TAN-MON-A-002 TANT 2.70 ION-A-006 TAN-MON-A-002 TAN-T 2.70 ION-A-006 TAN-MON-A-002 TAN-T 2.70 ION-A-006 IN-A-TAN-TAN-TAN-TAN-TAN-TAN-TAN-TAN-TAN-	0 TAN 1.25 0 TAN 1.79 01 TANT 2.83	Į	1155 1	208.68 508.68	4438.85	506.52		
A, 1.79 ION-A-004 TAN-MON-A-001 TANT 2.83 ION-A-005 TAN-MON-A-002 TANT 2.83 ION-A-005 TAN-T 2.70 TRA 1.56 ION-A-005 TAN-T 2.70 ION-A-005 TAN-T 2.70 ION-A-005 ION-A-00	0 TAN 1.79 01 TANT 2.83	4790.37						
ION-A-004 TAN-MON-A-001 TANT 2.83 ION-A-005 TAN-MON-A-002 TANT 2.70 ION-A-005 TAN-T 2.70 ION-A-005 TAN-T 2.70 ION-A-005 ITAA 1.24 ION-A-005 ION-A-	01 TANT 2.83	4780.57						
ION-A-005 TAN-MON-A-002 TANT 2.70   156		4782.11						
156 TRA 156 TRA 156 TRA 156 TRA 1.24 TRA 1.79 TRA 1.79 TRA 2.53 TRA 1.47 TRA 1.47 TRA 1.47 TRA 1.47 TRA 1.48 TR	2 TANT 2.70	4784.10						
124 174 175 176 177 178 179 179 179 179 179 179 179 179 179 179	TRA 1.55	4916.49						
0 TRA 1.79 0 TRA 0.96 0 TRA 2.53 0 TRA 1.47 053 0 TRA 1.10 054 0 TRA 1.28	TRA 1.24	4923.71						
0 TRA 0.96 0 TRA 2.53 0 TRA 1.47 053 0 TRA 1.10 054 0 TRA 1.28 055 0 TRA 1.28	TRA 1.79	4923.82						
0 TRA 2.53 0 TRA 1.47 0 TRA 1.10 0.0 TRA 1.28 0.0 TRA 1.28 0.0 TRA 1.58	TRA 0.96	4920.14						
0 TRA 147 0 TRA 1.10 0 TRA 1.28	TRA 2.53	4931.56						
0 TRA 1.10 0 TRA 1.28 0 TRA 1.58	TRA 1.47	4934.93						
0 TRA 1.28	TRA 1.10	4922.14						
0 TRA 1.58	TRA 1.28	4920.94						
	TRA 1.58	4919.15						
0 TRA 1.82	TRA 1.82	4918.37						
. 0.58 O.58	TRA 0.58	4925.01						
INTEC 1.	INTEC 1.82					no access	-1.5	
S-A-125 USGS-127 CFA	1.57	4956.44 27-Jun-01	734	508.81	4449.20	507.24		

Well Name	Well Alias	Area	stickup(#)		Date	1			(2001) (MI(DDC)	Comment	Del coll	9 m
ANL-M11	ANL-MON-A-11	ANL	2.30	5118.69	ļ							
ANL-MON-A-012	ANL-MON-A-12	ANL	1.80	5132.80								
ANL-MON-A-013	ANL-MON-AQ-13	ANL	3.29	5120.37								
ANL-08S-A-014	ANL-MON-AQ-14	ANL	9:1	5120.99								
ARA-COR-A-005	ARA-COR-005	ARA	2.24	5046.50	31-701-01	810	600.11		597.87			
ARA-MON-A-001	ARA-001	ARA	2.71	5034.30	31-701-01	8	592.41	4444.60	589.71			
ARA-MON-A-002	ARA-002	ARA	2.46	5037.40	31-Jul-01	750	595.38	4444.48	592.92			
ARA-MON-A-003	ARA-MON-AD03A	ARA	2.67	5050.10		817	606.13	4446.64	603.46			
ARA-MON-A-004	0	ARA	2.40	5064.60	31-701-01							
SITE-09		ARA	1.62	4926.03	30-Jul-01	1610	475.76		474.14			
CFA-MON-A-001	CFA-MON-001	CFA	2.13	4936.44	38-24-01	1538	489.71	ļ	487.58			
CFA-MON-A-002	CFA-MON-002	CFA	1.93	4932.24	ļ	1545	486.21	4447.96	484.28			
CFA-MON-A-003	CFA-MON-003	CFA	69.	4930.31	30-701-01	1555	485.77	4446.37	483.94			
LF2-10		CFA	۲. کی	4932.48	31-701-01	1005	482.13	4451.70	480.78		-0.73	4452.43
LF2-11	0	CFA	1.35	4928.36	}	1025	475.24		473.89			
LF2.08	0	CFA	1.42	4931.72		1015	481.14		479.72		-2.9	
LF2-09		CFA	1.23	4932.23		957	483.82		482.59		-5.72	4455.36
LF3-10	0	CFA	222	4942.62		1005	482.13					
LF3-08	0	CFA	1.89	4940.22	30-701-01	1511	491.23	4450.59	489.63		-4.77	4455.36
LF3-09	0	CFA	1.69	4941.08								ļ
ICPP-MON-A-021	PP-MA-21	CPP	1.75	4904.36								
ICPP-MON-A-022	CPP-MA-22	CPP	2.50	4907.10								
USGS-020	0	ICPP	0.77	4916.36	31-Jul-01	1120	463.86	4453.27	463.09			
USGS-034	0	ICPP	1.07	4929.19	31-701-01	1343	475.04	4455.22	473.97			
USGS-035	0	ICPP	1.55	4929.64	31-Jul-01	1354	476.12	4455.07	474.57			
USGS-036		윤	1.18	4929.20		1330	475.11		473.93			
USGS-037	0	CPP	1.22	4929.38		1307	475.31		474.09			
USGS-038	0	ICPP	1.33	4929.63	31-70-01	1250	475.66		474.33			
USGS-039	0	ICPP	1.23	4930.95	31-701-01	1400	476.81	4455.37	475.58			
USGS-057	0	ICPP	1.92	4922.49	31-701-01					n/a		
USGS-077	0	ICPP	2.18	4921.79	31-701-01	1428	468.89		466.71			
USGS-082	0	CPP	1.58	4906.99		1058	452.18		450.60			
USGS-085	0	ICPP	2.28	4939.26	30-701-01	1455	486.26	4455.28	483.98			
USGS-111	0	CPP	2.27	4920.50	31-711-01					n/a	-5.24	
USGS-112	0	CPP	2.29	4927.84	31-701-01	1410	477.27	4452.86	474.98		-2.6	
USGS-113	0	СРР	2.34	4925.28		1419	477.84		475.50		-6.4	
USGS-114		(CPP	2.28	4920.09	31-701-01	1435	471.72	4450.65	469.44		7.4-	, 4455.35
USGS-115	0	GPP	2.30	4918.84	31-Jul-01	1444	467.91	4453.23	465.61		-2.23	l
USGS-116	0	(CPP	2.53	4916.03	31-701-01	1110	462.14		459.61			ļ
RWMC-PRO-A-064	LSIT TEST WELL	LSIT	1.92	5042.10	30-701-01	1005	614.87	4429.15	612.95			
RWMC-MON-A-013	A11A31	LSIT	3.10	5068.80	30-701-01	925	643.94	4427.96	640.84			
RWMC-MON-A-065	RWMC-MA-65	LSIT	68:0	5041.60	30-741-01	955	613.66		612.77			
RWMC-MON-A-066	RWMC-MA-66	LS.	<u>r</u>	5043.70	38-Jul-01	941	620.56		619.05			
NRF-MON-A-008	NRF-MA-08	NF.	3.04	4852.33								
NRF-MON-A-009	NRF-MA-09	胀	2.86	4853.47								
ALDER MACALLA DAD	OF STALLOW							·				

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Well Name	NDE-MA-11		Area	Stickup(III)	7850 73	Date	BE	wi(tromp)	м(потр) егеупаты	wi(poc)	Comment	Dev corr	₩  
				200	,								
NKT-MOR-A-012		****		n n	400.00								
Č			1 1 1 1 1 1	3.20	4040.09								
SIIE UI WAIER IABLE	: SIIF-UIA		OFF-BLK	7.11	5361.81								
PBF-MON-A-001		0	184	1.92	4906.15		843	444.66	4463.41	442.74			
PBF-MON-A-003		0	184	-98	4959.29		827	518.73	4442.41	516.88			
PBF-MON-A-004		0	PBF	2.72	4939.66	31-Jul-01	910	496.44	4445.94	493.72			
PBF-MON-A-005		0	PBF	1.79	4976.13	31-Jul-01	88	511.08	4466.84	509.29			
M10S	M10S		RWMC	1.46	5021.62	30-Jul-01	<b></b>						
M1SA	M01S		RWMC	3.13	5011.09	30-Jul-01	88	587.14	4427.08	584.01			
M3S	MO3SA		RWMC	1.59	5016.16	30-Jul-01	815	815 590.49+					
M4D	M04D		RWMC	1.93	5022.53	10-IN-8	912	596.93	4427.53	595.00			
M6S	MOGS		RWMC	1.88	5065.76	30-Jul-01	1020	641.06	4426.56	639.20			
M7S	M07S		RWMC	2.76	5004.85	30-Jul-01	810	579.69	4427.92	576.93			
SOUTH-MON-A-001	M11		RWMC	1.48	4994.19	30-Jul-01	1035	566.21	4429.46	564.73			
SOUTH-MON-A-002	M12		RWMC	1.75	4975.28	30-Jul-01	1050	535.94	4441.09	534.19			
SOUTH-MON-A-003	M13		RWMC	1.79	5026.85	30-Jul-01	105	601.48	4427.16	599.69			
SOUTH-MON-A-004	M14		RWMC	2.78	5032.46	30-Jul-01	83	606.63	4428.61	603.85			
USGS-001		0	SOUTH	1.42	5022.71	30-Jul-01	1305	590.82	4433.31	589.40			
USGS-083			SOUTH	2.15	4941.59	30-Jul-01	1438	501.17	4442.57	499.02			
USGS-104		_	SOUTH	2.98	4988.65	30-Jul-01	1413	559.61	4432.02	556.63			
USGS-107			SOUTH	1.95	4917.50	30-Jul-01	1348	482.71	4436.74	480.76			
USGS-110	USGS-110A		SOUTH	2.53	4999.97	30-Jul-01	1325	558.33	4444.17	555.80			
STF-MON-A-01A	STF-MON-01A		STF	1.82	4941.40	30-Jul-01	1630	503.23	4439.99	501.41			
STF-MON-A-02A	STF-MON-02A		STF	2.35	4937.30	10-In-08	1619	498.04	4441.61	495.69			
STF-MON-A-003		0	STF	2.05	4937.01	31-Jul-01	928	501.11	4437.95	499.06			
STF-MON-A-004		0	STF	2.16	4945.37	31-Jul-01	941	509.01	4438.52	506.85			
TAN-08		0	TAN	1.25	4790.37								
TAN-13A		0	TAN	1.79	4780.57	0							
TANT-MON-A-004	TAN-MON-A-001	-	TANT	2.83	4782.11								
TANT-MON-A-005	TAN-MON-A-002	7	TANT	2.70	4784.10								
PW-11		0	TRA	1.55	4916.49								
PW-12		0	TRA	1.24	4923.71								
PW-13		0	TRA	1.79	4923.82								
TRA-06		0	TRA	0.96	4920.14		••••		4921.10				
TRA-07		0	TRA	2.53	4931.56				4934.09				
TRA-08		0	TRA	1.47	4934.93				4936.40				
USGS-053		0	TRA	1.10	4922.14								
USGS-054		0	TRA	1.28	4920.94								
USGS-055		0	TRA	<u>.</u>	4919.15	0							
USGS-058		0	TRA	1.82	4918.37								
USGS-065		0	TRA	0.58	4925.01								
USGS-121		0	INTEC	1.82	4909.65	31-Jul-01	1040	456.39	4455.08	454.57		-1.5	4456.58
USGS-0BS-A-125	USGS-127		CFA	1.57	4956.44	30-Jul-01	1130	509.12	4448.89	507.55			

Well Name	Well Alias	Area	stickup(ft)	BC Elev	Date	Time	wl(ftbmp)	wl(ftbmp) elev(ftamsl)	wl(bbc)	Comment	Dev corr	Adj wl
ANL-M11	ANL-MON-A-11	ANL	2.30	5118.69								
ANL-MON-A-012	ANL-MON-A-12	ANL	1.60									
ANL-MON-A-013	ANL-MON-AQ-13	AN	3.29	5120.37								
ANL-OBS-A-014	ANL-MON-AQ-14	ANL	1.00	5120.99								
ARA-COR-A-005	ARA-COR-005	ARA	2.24	·*····	27-Aug-01	1300	800.08	4448.66	597.84			
ARA-MON-A-001	ARA-001	ARA	2.71	5034.30	5034.30 27-Aug-01	1253	592.82		590.12			
ARA-MON-A-002	ARA-002	ARA	2.46	5037.40	27-Aug-01	1309	595.81		593.35			
ARA-MON-A-003	ARA-MON-AD03A	ARA	2.67	5050.10 27-Aug-01	27-Aug-01	1320	606.56		603.89			
ARA-MON-A-004	0	ARA	2.40	5064.60								
SITE:09		ARA	1.62	4926.03	27-Aug-01	1355	476.28	4451.37	474.66	- Commence of the Commence of		
CFA-MON-A-001	CFA-MON-001	CFA	2.13		27-Aug-01	1100	490.57		488.44			
CFA-MON-A-002	CFA-MON-002	CFA	1.93	4932.24	4932.24 27-Aug-01	1110	487.08		485,15			
CFA-MON-A-003	CFA-MON-003	CFA	1.83	4930.31	27-Aug-01	1115	n/a			pump work		
LF2-10		CFA	1.35	4932.48 27-Aug-01	27-Aug-01	1515	482.49	4451.34	481.14		-0.73	4452.07
LF2-11	0	CFA	1.35	4928.36	4928.36 27-Aug-01	1522	475.52	4454.19	474.17			
LF2-08		CFA	1.42	4931.72	27-Aug-01	1500	481.62	4451.52	480.20		-2.95	4454.47
LF2-09		CFA	1.23	4932.23	27-Aug-01	1508	484.38	4449.08	483.15		-5.72	4454.80
LF3-10	0	CFA	222	4942.62								
LF3-08	0	CFA	1.60	4940.22	27-Aug-01	1450	491.86	4449.96	490.26		-4.77	4454.73
LF3-09		CFA	1.69	4941.08								
ICPP-MON-A-021	CPP-MA-21	CPP	1.75	4904.36								
ICPP-MON-A-022	CPP-MA-22	CPP	2.50	4907.10								
USGS-020	0	B	72.0	4916.36 28-Aug-01	28-Aug-01	807 n/a	n/a			plugged		
USGS-034	0	<u>GPP</u>	1.07	4929.19 2	4929.19 27-Aug-01	917	475.98	4454.28	474.91			
USGS-035	0	ᇟ	1.55	4929.64	27-Aug-01	855	477.11		475.56			
USGS-036	0	ఠ	1.18	4929.20	4929.20 27-Aug-01	947	476.15		474.97			
USGS-037		dd)	1.22	4929.38 2	4929.38 27-Aug-01	1247	476.16		474.94			
USGS-038	0	CPP	1.33	4929.63	4929.63 27-Aug-01	1311	476.51		475.18			
NSGS-039	0	ఠ	1.23	4930.95	27-Aug-01	820	477.88		476.65			
USGS-057	0	씽	1.92	4922.49	4922.49 28-Aug-01	1020	470.19		468.27			
USGS-077		GPP	2.18	4921.79	27-Aug-01	1400	469.67		467.49			
USGS-082	0	ఠ	1.58	4906.99 2	28-Aug-01	915	453.18		451.60			
USGS-085	0	싎	2.28	4939.26 2	29-Aug-01	198	486.52		484.24			
USGS-111	0	믮	2.27	4920.50	4920.50 28-Aug-01	1025	474.43		472.16		-5.24	-
USGS-112	0	CPP	2.29	4927.84	27-Aug-01	1330	478.25	4451.88	475.96		-2.61	4454.49
USGS-113	0	CPP	2.34	4925.28	4925.28 27-Aug-01	1345 n/a	n/a			paggnad	-6.46	
USGS-114	0	밆	2.28	4920.09 2	27-Aug-01	1142	472.56		470.28		7.4-	4454.51
USGS-115	0	ఠ	2.30	4918.84	4918.84 28-Aug-01	940	468.84		466.54		-2.23	
USGS-116	0	<u>GP9</u>	2.53	4916.03 2	28-Aug-01	88	463.05	4455.51	460.52			
RWMC-PRO-A-064	LSIT TEST WELL	LSI	1.92	5042.10 28-Aug-01	28-Aug-01	1510	615.04		613.12			
RWMC-MON-A-013	A11A31	뜅	3.10	5068.80	5068.80 28-Aug-01	1440	644.05		640.95			
RWMC-MON-A-065	RWMC-MA-65	FS.	0.89	5041.60 28-Aug-01	28-Aug-01	1500	613.7		612.81			
RWMC-MON-A-066	RWMC-MA-66	LSIT	1.51	5043.70 28-Aug-01	28-Aug-01	1450	620.73	4424.48	619.22			
NRF-MON-A-008	NRF-MA-08	RRF	3.04	4852.33								
NRF-MON-A-009	NRF-MA-09	볼	2.86	4853.47								

Adj wl																																											4455.64	
Dev corr																																											-1.5	
Comment											logging																																	
wl(bbc)					442.82	517.33	466.81	509.47		484.22		595.24	639.40	576.89	565.01	534.54	599.80	604.04	589.57	499.21	556.94	480.97	565.96	501.95	496.26	499.36	507.16										0		***************************************				455.51	( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( (
	1				4463.33	4441.96	4472.85	4466.66		4526.87		4427.29	4426.36	4427.96	4429.18	4440.74	4427.05	4428.42	4433.14	4442.38	4431.71	4436.53	4434.01	4439.45	4441.04	4437.65	4438.21									0							4454.14	
wl(ftbmp) elev(ftamsl)					444.74	519.18	469.53	511.26		487.35	v⁄a	597.17	641.26	579.65	566.49	536.29	601.59	606.82	590.99	501.36	559.92	482.92	568.49	503.77	498.61	501.41	509.32																457.33	
Time					1115	1333	1142	1138		1415	1350 n/a	1425	1520	1315	1405	1345	1533	1435	1215	138	1315	1242	1230	1415	1406	1420	1430																1445	
Date					29-Aug-01	4959.29 27-Aug-01	29-Aug-01	29-Aug-01	¥	5011.09 28-Aug-01	28-Aug-01	28-Aug-01	28-Aug-01	28-Aug-01	29-Aug-01	29-Aug-01	28-Aug-01	29-Aug-01	5022.71 29-Aug-01	4941.59 29-Aug-01	4988.65 29-Aug-01	29-Aug-01	29-Aug-01	27-Aug-01	27-Aug-01	27-Aug-01	27-Aug-01																4909.65 28-Aug-01	
BC Elev	4850.73	4850.83	4843.59	5361.81	4906.15	4959.29	4939.66	4976.13		5011.09	5016.16	5022.53	5065.76	5004.85	4994.19	4975.28	5026.85	5032.46	5022.71	4941.59	4988.65	4917.50	4999.97	4941.40	4937.30	4937.01	4945.37	4790.37	4780.57	4782.11	4784.10	4916.49	4923.71	4923.82	4920.14	4931.56	4934.93	4922.14	4920.94	4919.15	4918.37	4925.01	4909.65	X
stickup(ft)	2.96	3.08	3.20	2.11	1.92	8.	2.72	1.79	1.46	C	1.59	1.93	.88	2.76	1.48	1.75	1.79	2.78	1.42	2.15	2.98	- 8	2.53	1.82	2.35	2.05	2.16	1.35	1.79	2.83	2.70	1.55	1.24	1.79	96:0	2.53	1.47	1.10	1.38	85.1	1.82	88.0	1.82	
Area		NRF	NRF	OFF-BLR	PBF	PBF	PBF	PBF	RWMC	RWMC	RWMC	RWMC	RWMC	RWMC	RWMC	RWMC	RWMC	RWMC	SOUTH	SOUTH	SOUTH	SOUTH	SOUTH	STF	STE	뚮	ST.	TAN	TAN	TANT	TANT	TRA	TRA	TRA	TRA	TRA	NTEC	· ·						
Well Alias	NRF-MA-11	NRF-MA-12	NRF-MA-13		0				M10S	M01S	MO3SA	M04D	MOGS	M07S	M1	M12	M13	M14	0	0		0	USGS-110A	STF-MON-01A	STF-MON-02A	0		0		TAN-MON-A-001	TAN-MON-A-002			0			0	0	0	0		0	0	10000
Well Name				TABLE		4.4.003	₹-004	4.4-005						_	SOUTH-MON-A-001	SOUTH-MON-A-002	SOUTH-MON-A-003	SOUTH-MON-A-004	-	0	Ţ.					4-A-003	4-A-004		***************************************	N-A-004								m	ঘ	'n		m	·	
3	NRF-MON-A-011	NRF-MON-A-012	NRF-MON-A-013	SITE 01 V	PBF-MON-A-001	PBF-MON-A-003	PBF-MON-A-004	PBF-MON-A-005	M10S	M1SA	M3S	M4D	Mes	M7S	SOUTH-L	SOUTH-N	SOUTH-N	SOUTH-N	USGS-001	USGS-083	USGS-104	USGS-107	USGS-110	STF-MON-A-01A	STF-MON-A-02A	STF-MON-A-003	STF-MON-A-004	TAN-08	TAN-13A	TANT-MON-A-004	TANT-MON-A-005	PW-11	PW-12	P\W-13	TRA-06	TRA-07	TRA-08	USGS-053	USGS-054	USGS-055	USGS-058	USGS-065	US6S-121	